JVC

ENGLISH

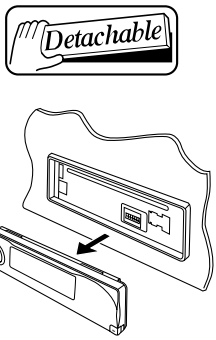
ESPAÑOL

FRANÇAIS

CD RECEIVER KD-AR3000/KD-LH300

RECEPTOR CON CD KD-AR3000/KD-LH300

RECEPTEUR CD KD-AR3000/KD-LH300



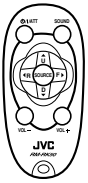
WMA

MP3

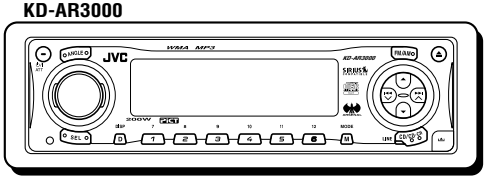
PICT

SIRIUS COMPATIBLE

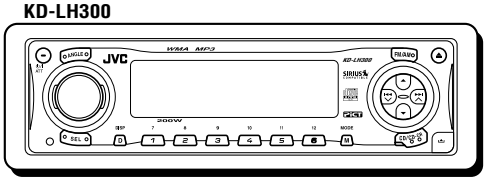
COMPACT disc DIGITAL AUDIO TEXT



KD-AR3000



KD-LH300



- This unit is equipped with the display demonstration. To cancel it, see page 8.
- Esta unidad está equipada con demostración en la pantalla. Para cancelarla, consulte la página 8.
- Cet appareil est équipé d'une fonction de démonstration des affichages. Pour l'annuler, référez-vous à la page 8.

For installation and connections, refer to the separate manual.
Para la instalación y las conexiones, refiérase al manual separado.
Pour l'installation et les raccordements, se référer au manuel séparé.

INSTRUCTIONS

MANUAL DE INSTRUCCIONES

MANUEL D'INSTRUCTIONS

For customer Use:
Enter below the Model No. and Serial No. which are located on the top or bottom of the cabinet. Retain this information for future reference.

Model No. _____

Serial No. _____

GET0201-001A
[J]

INFORMATION (For U.S.A.)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.
– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio/TV technician for help.

IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION:** Visible and invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.

Caution:

If the temperature inside the car is below 0˚C (32˚F), the movement of animation and text scroll will be halted on the display to prevent the display from being blurred. LOW TEMP. *(LOW TEMP.) indicator appears on the display.*

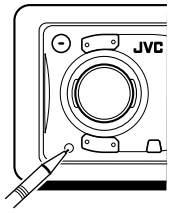
When the temperature increases, the operating temperature is resumed, and these functions will start working again.

CAUTION on Volume Setting:

Discs produce very little noise compared with other sources. If the volume level is adjusted for the tuner, for example, the speakers may be damaged by the sudden increase in the output level. Therefore, lower the volume before playing a disc and adjust it as required during playback.

How to reset your unit

Press the reset button on the control panel using a ball-point pen or a similar tool.
This will reset the built-in microcomputer.

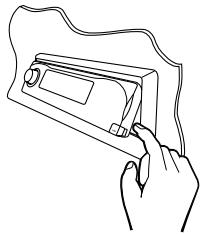


Note:

Your preset adjustments—such as preset channels or sound adjustments—will also be erased.

CAUTION:

NEVER insert your finger in between the control panel and the unit, as it may get caught or hurt.
(See page 44.)



Thank you for purchasing a JVC product. Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

ENGLISH

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BEFORE USE

****For safety....***

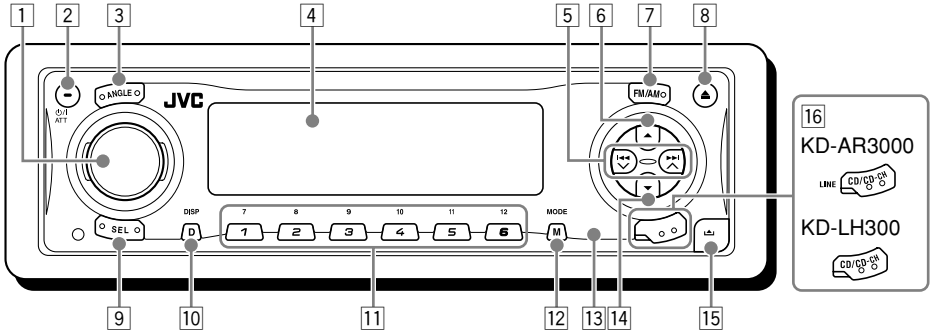
- *Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.*
- *Stop the car before performing any complicated operations.*

****Temperature inside the car....***

If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.

LOCATION OF THE BUTTONS

Control panel



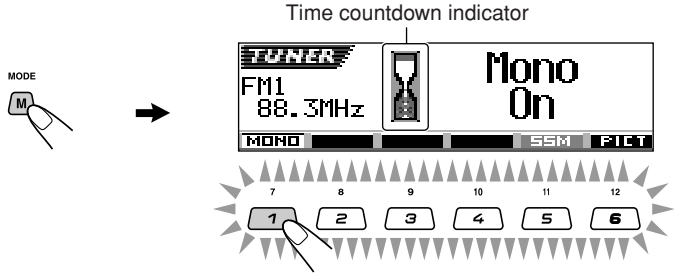
1 Control dial
2 ⏻/I ATT (standby/on attenuator) button
3 ANGLE button
4 Display window
5 ⏮ ⌄/⏭ ⌃ buttons
6 ▲ (up) button
7 FM/AM button
8 ⏏ (eject) button
9 SEL (select) button
10 D DISP (display) button
11 Number buttons
12 M MODE button
13 Remote sensor
14 ▼ (down) button
15 ⏏ (control panel release) button
16 For KD-AR3000:
CD/CD-CH (CD changer) LINE button
For KD-LH300:
CD/CD-CH (CD changer) button

Illumination Navigation for easy operations

If you use M MODE or SEL (select), the display and some controls (such as the number buttons, ⏮ ⌄/⏭ ⌃, ▲/▼, and control dial) enter the corresponding control mode, then the controls start flashing to lead you to the next operational steps. (Illumination Navigation)

- The display shows how these buttons function during this period.

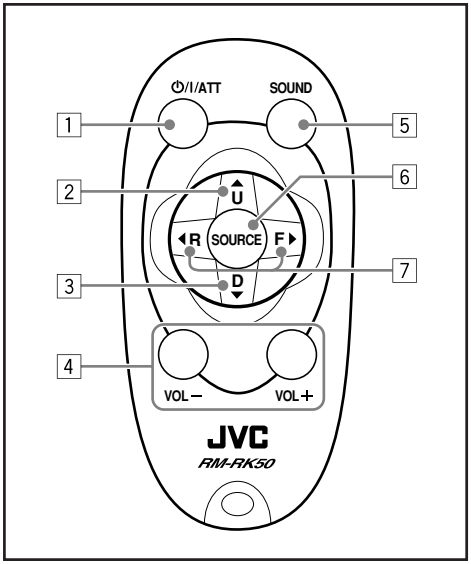
Ex.: When you press number button 1 after pressing M MODE, to operate the FM tuner.



To use these controls for original functions again, wait until the controls stop flashing without using these controls.

- Pressing M MODE again also restores original functions. However, pressing SEL (select) makes the unit enters a different mode.

Remote controller



1 • Turns on the unit if pressed when the unit is turned off.
• Turns off the unit if pressed and held for a few seconds.
• Drops the volume level in a moment if pressed briefly.
Press again to resume the volume.

2 • Selects the band while listening to the radio.
Each time you press the button, the band changes.
• Skips to the first track of the next folder while listening to an MP3 or a WMA disc.
Each time you press the button, you can move to the next folder and start playing the first track.
• While playing an MP3 disc on an MP3-compatible CD changer;
– Skips to the next disc if pressed briefly.
– Skips to the next folder if pressed and held.

Note: *While playing a CD on a CD changer, this always skips to the next disc.*

3 • Selects the preset stations while listening to the radio.
Each time you press the button, the preset station number increases, and the selected station is tuned in.
• Skips to the first track of the previous folder while listening to an MP3 or a WMA disc.
Each time you press the button, you can move to the previous folder and start playing the first track.
• While playing an MP3 disc on an MP3-compatible CD changer;
– Skips to the previous disc if pressed briefly.
– Skips to the previous folder if pressed and held.

Note: *While playing a CD on a CD changer, this always skips to the previous disc.*

4 Functions the same as the control dial on the main unit.

Note: *These buttons do not function for the preferred setting mode (PSM) adjustment.*

5 Selects the sound mode (iEQ: intelligent equalizer).
Each time you press the button, the sound mode (iEQ) changes.

6 Selects the source.
Each time you press the button, the source changes.

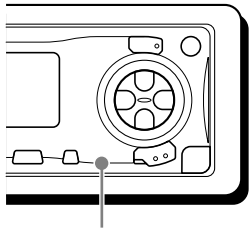
7 • Searches for stations while listening to the radio.
• Fast-forwards or reverses the track/file if pressed and held while listening to a disc.
• Skips to the beginning of the next track/file or goes back to the beginning of the current (or previous) tracks/files if pressed briefly while listening to a disc.

ENGLISH

Preparing the remote controller

Before using the remote controller:

- Aim the remote controller directly at the remote sensor on the main unit. Make sure there is no obstacle in between.



Remote sensor

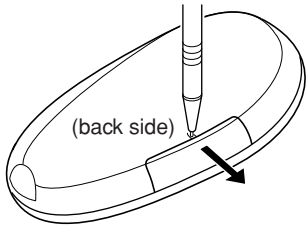
- Do not expose the remote sensor to strong light (direct sunlight or artificial lighting).

Installing the battery

When the controllable range or effectiveness of the remote controller decreases, replace the battery.

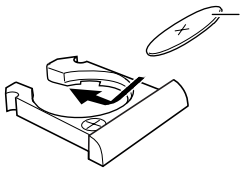
1. Remove the battery holder.

1) Push out the battery holder in the direction indicated by the arrow using a ball-point pen or a similar tool.
2) Remove the battery holder.



2. Place the battery.

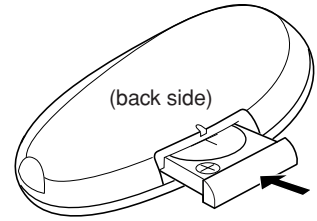
Slide the battery into the holder with the + side facing upwards so that the battery is fixed in the holder.



Lithium coin battery (product number: CR2025)

3. Return the battery holder.

Insert again the battery holder by pushing it until you hear a clicking sound.

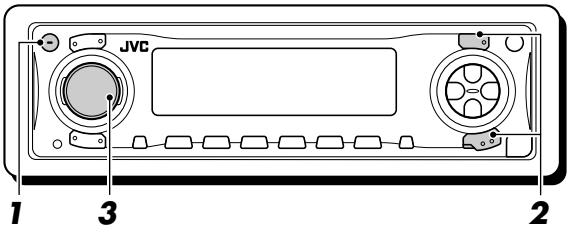


WARNING:

- *Store the battery in a place where children cannot reach.*
  If a child accidentally swallows the battery, consult a doctor immediately.
- *Do not recharge, short, disassemble, or heat the battery or dispose of it in a fire.*
  Doing any of these things may cause the battery to give off heat, crack, or start a fire.
- *Do not leave the battery with other metallic materials.*
  Doing this may cause the battery to give off heat, crack, or start a fire.
- *When throwing away or saving the battery, wrap it in tape and insulate; otherwise, the battery may start to give off heat, crack, or start a fire.*
- *Do not poke the battery with tweezers or similar tools.*
  Doing this may cause the battery to give off heat, crack, or start a fire.

CAUTION:

DO NOT leave the remote controller in a place (such as dashboards) exposed to direct sunlight for a long time. Otherwise, it may be damaged.



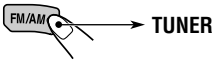
Turning on the power

1 Turn on the power.

Note on One-Touch Operation:
When you select a source in step ***2*** *below, the power automatically comes on. You do not have to press this button to turn on the power.*

2 Select the source.

- **To operate the tuner,** press FM/AM.

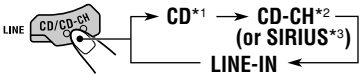


Then, press FM/AM repeatedly to select the band (FM1, FM2, FM3, or AM).

- **To operate the CD player (CD), CD changer (CD-CH), or external component (LINE-IN or SIRIUS)**

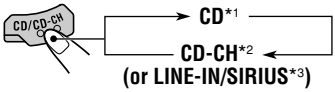
For KD-AR3000:

- Press CD/CD-CH LINE repeatedly.



For KD-LH300:

- Press CD/CD-CH repeatedly.

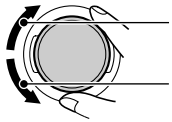


*1 *Without loading the CD, you cannot select "CD" as the source.*

*2 *Without connecting the CD changer, you cannot select "CD-CH" as the source.*

*3 *To select the external component as the source, set "Ext Input" correctly (see page 39).*

3 Adjust the volume.



To increase the volume

To decrease the volume

Volume level appears.

Current sound mode (iEQ) (see page 25)

4 Adjust the sound as you want. (See pages 24 – 27.)

Note:
While playing a source, you can select the display theme of your preference. For details, see "Selecting the display theme" on page 28.

NOTICE:
The illustrations of the display used in this manual are mainly of the initial setting when shipped from the factory. If you have changed the display themes or some PSM items, the actual displays you see will be different.

To drop the volume in a moment

Press ⏻/I ATT briefly while listening to any source. “ATT” starts flashing on the display, and the volume level will drop in a moment.
To resume the previous volume level, press the button briefly again.

- If you turn the control dial, you can also restore the sound.

To turn off the power

Press and hold ⏻/I ATT for more than one second.

- **If you turn off the power while listening to a disc,** disc play will start from where playback has been stopped previously, next time you turn on the power.

Canceling the display demonstration

When shipped from the factory, display demonstration has been activated, and starts automatically when no operations are done for about 20 seconds.

- It is recommended to cancel the display demonstration before you use the unit for the first time.

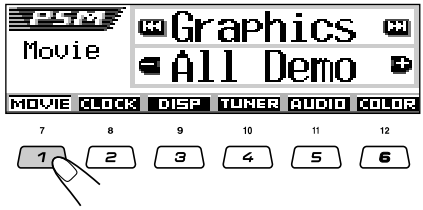
To cancel the display demonstration, follow the procedure below:

1 **Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (PSM: see pages 36 and 37.)**

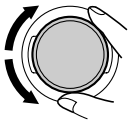
The next-step-operation buttons start flashing.

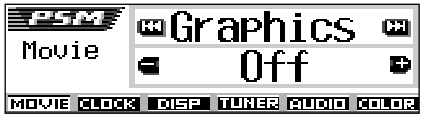
2 **Press number button 1 to select “MOVIE”—Movie category of the PSM settings.**

The “Graphics” setting screen appears on the display.



3 **Select “Off.”**





4 **Finish the setting.**

To activate the display demonstration, repeat the same procedure and select “All Demo” or “Int Demo” in step ***3***.

- For more details, see “To show the graphics on the display—Graphics” on page 38.

Setting the clock

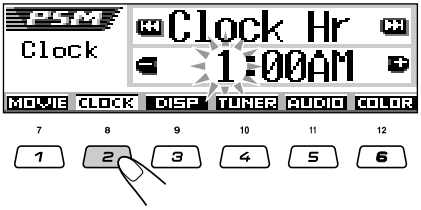
You can also set the clock system to either 24 hours or 12 hours.

1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (PSM: see pages 36 and 37.)

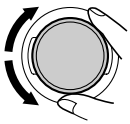
The next-step-operation buttons start flashing.

2 Press number button 2 to select "CLOCK"—Clock category of the PSM settings.

The "Clock Hr" (hour) setting screen appears on the display.

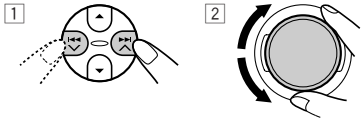


3 Adjust the hour.



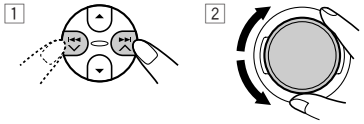
4 Set the minute.

1 Select "Clock Min" (minute).
2 Adjust the minute.



5 Set the clock system.

1 Select "24H/12H."
2 Select "24Hours" or "12Hours."

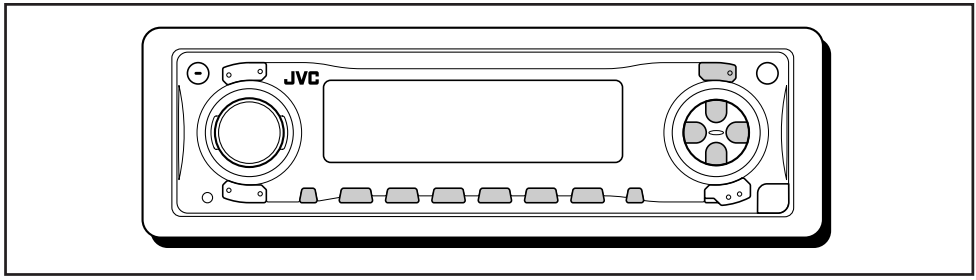


6 Finish the setting.

To check the clock time when the unit is turned off, press D DISP.

The power turns on and the clock time is shown for about 5 seconds, then the power turns off.

RADIO OPERATIONS



Listening to the radio

You can use either automatic searching or manual searching to tune in to a particular station.

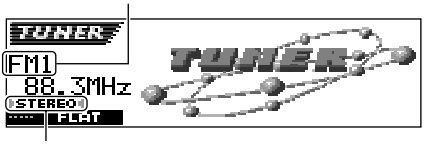
Searching for a station automatically: Auto search

1 Select the band (FM1 – 3, AM).

Each time you press the button, the band changes as follows:

→ FM1 → FM2 → FM3 → AM

Selected band appears.

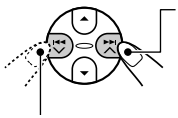


Lights up when receiving an FM stereo broadcast with sufficient signal strength.

Note:

This receiver has three FM bands (FM1, FM2, FM3). You can use any one of them to listen to an FM broadcast.

2 Start searching for a station.



To search for stations of higher frequencies

To search for stations of lower frequencies

When a station is received, searching stops.

To stop searching before a station is received, press the same button you have pressed for searching.

Searching for a station manually: Manual search

1 Select the band (FM1 – 3, AM).

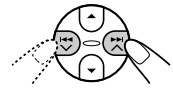
Each time you press the button, the band changes as follows:

→ FM1 → FM2 → FM3 → AM

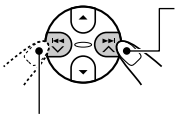
Note:

This receiver has three FM bands (FM1, FM2, FM3). You can use any one of them to listen to an FM broadcast.

2 Press and hold ►►| ^ or |◄◄ v until "Manual Search" starts flashing on the display.



3 Tune in to a station you want while "Manual Search" is flashing.



To tune in to stations of higher frequencies

To tune in to stations of lower frequencies

- If you release your finger from the button, the manual mode automatically turns off after about 5 seconds.
- If you hold down the button, the frequency keeps changing (in 200 kHz intervals for FM and 10 kHz for AM) until you release the button.

If the sound quality decreases and the stereo effect is lost while listening to an FM station

In some areas, adjacent stations may interfere with each other. If this interference occurs, this unit can automatically reduce this interference noise (the initial setting when shipped from the factory). However, in this case, the sound quality will be degraded and the stereo effect will also be lost.

If you do not want to degrade the sound quality and to lose the stereo effect, rather than to eliminate the interference noise, see "To change the FM tuner selectivity—IF Filter" on page 39.

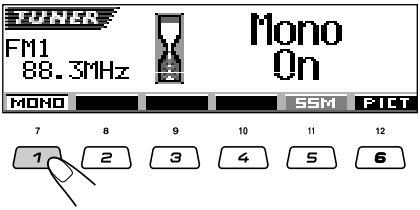
When an FM stereo broadcast is hard to receive:

Set the FM reception mode to "Mono On."

1 Press M MODE while listening to an FM stereo broadcast.

"Mode" appears on the display. The next-step-operation buttons start flashing.

2 Press number button 1 to select "Mono On" while "Mode" is still on the display.
Each time you press the button, "Mono On" or "Mono Off" appears alternately.



After about 5 seconds

The display returns to the source indication screen.

MONO indicator appears.

The sound you hear becomes monaural but the reception will be improved.

Storing stations in memory

You can use one of the following two methods to store broadcasting stations in memory.

- Automatic preset of FM stations: SSM (Strong-station Sequential Memory)
- Manual preset of both FM and AM stations

FM station automatic preset: SSM

You can preset 6 local FM stations in each FM band (FM1, FM2, and FM3).

1 Select the FM band (FM1 – 3) you want to store FM stations into.

Each time you press the button, the band changes as follows:

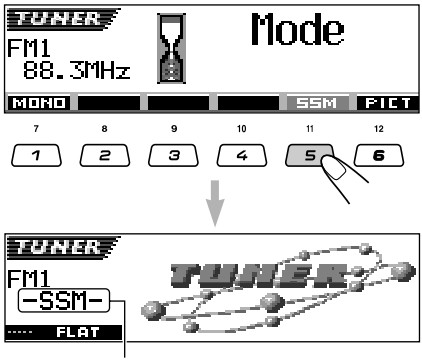
FM1 → FM2 → FM3 → AM

2 Start automatic preset.

1 Press M MODE.

"Mode" appears on the display. The next-step-operation buttons start flashing.

2 Press and hold number button 5 while "Mode" is still on the display.



"–SSM–" appears, then disappears when automatic preset is over.

Local FM stations with the strongest signals are searched and stored automatically in the band number you have selected (FM1, FM2, or FM3). These stations are preset in the number buttons —No.1 (lowest frequency) to No.6 (highest frequency).

When automatic preset is over, the station stored in number button 1 will be automatically tuned in.

Manual preset

You can preset up to 6 stations in each band (FM1, FM2, FM3, and AM) manually.

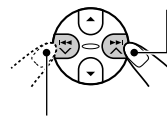
Ex.: Storing FM station of 92.5 MHz into the preset number 1 of the FM1 band.

1 Select the band (FM1 – 3, AM) you want to store stations into (in this example, FM1).

Each time you press the button, the band changes as follows:

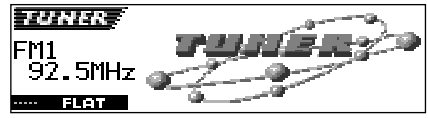
FM1 → FM2 → FM3 → AM

2 Tune in to a station (in this example, of 92.5 MHz).



To tune in to stations of higher frequencies

To tune in to stations of lower frequencies



3 **Press and hold the number button (in this example, 1) for more than 2 seconds.**

The display pattern automatically changes to the small animation display (see page 14).

After about 5 seconds

Preset number appears.

4 **Repeat the above procedure to store other stations into other preset numbers.**

Notes:

- *A previously preset station is erased when a new station is stored in the same preset number.*
- *Preset stations are erased when the power supply to the memory circuit is interrupted (for example, during battery replacement). If this occurs, preset the stations again.*

Tuning in to a preset station

You can easily tune in to a preset station. Remember that you must store stations first. If you have not stored them yet, see “Storing stations in memory” on pages 12 and 13.

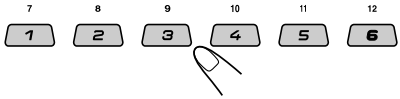
Selecting a preset station directly

1 **Select the band (FM1 – 3, AM).**

Each time you press the button, the band changes as follows:

FM1 → FM2 → FM3 → AM

2 **Select the number (1 – 6) for the preset station you want.**



Note:

You can also use the ▲ (up) or ▼ (down) button on the unit to select the next or previous preset stations. Each time you press the ▲ (up) or ▼ (down) button, the next or previous preset station is tuned in.

CONTINUED ON THE NEXT PAGE

Selecting a preset station using the preset station list

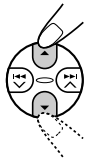
If you forget what stations are stored in which preset numbers, you can check the preset station list, then select your desired station.

1 Select the band (FM1 – 3, AM).

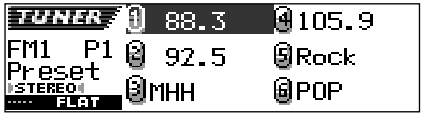
Each time you press the button, the band changes as follows:

→ FM1 → FM2 → FM3 → AM

2 Press and hold ▲ (up) or ▼ (down) until the preset station list for the current band (FM1, FM2, FM3, or AM) appears on the display.



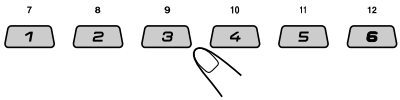
The current station will be highlighted on the display.



Notes:

- *You can show the other FM band preset station lists (FM1, FM2, or FM3) by pressing ▲ (up) or ▼ (down).*
- *If a name has been assigned to a station (see page 43), it will be shown instead of the station frequency.*

3 Select the number (1 – 6) for the preset station you want.



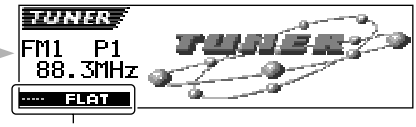
Changing the display pattern

By pressing D DISP, you can change the information shown on the display.

Each time you press the button, the display patterns change as follows:

Ex.: When selecting preset station 1 of FM1 band

Large animation display



Current sound mode (iEQ) (see page 25)

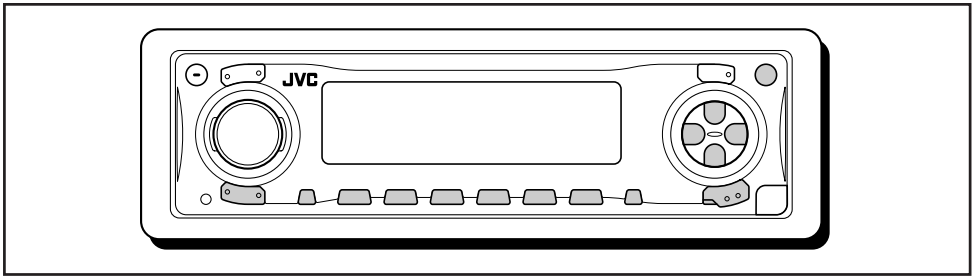
Small animation display 1

Clock time

Small animation display 2

If a name has been assigned to a station it will be shown instead of "NO NAME."

Clock time display

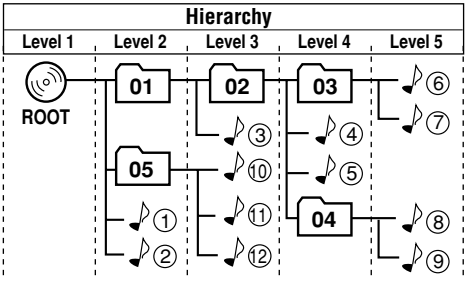


This unit has been designed to reproduce CDs, CD-Rs (Recordable), CD-RWs (Rewritable), and CD Texts.

- **This unit is also compatible with MP3 and WMA discs. For details about these discs, refer to "A Guide to MP3/WMA" (separate volume).**

About MP3 and WMA discs

MP3 and WMA (Windows Media® Audio) "**tracks**" (word "file" is not used to indicate MP3 or WMA files, "track" is used in this manual) are recorded in "**folders**."
During recording, the tracks and folders can be arranged in a way similar to arranging files and folders of computer data.
"**Root**" is similar to the root of a tree. Every track and folder can be linked to and be accessed from the root.

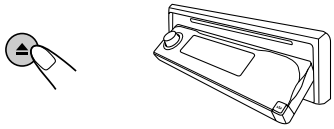


01	: Folders and their playback order
♪①	: MP3/WMA tracks and their playback order

- *Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.*

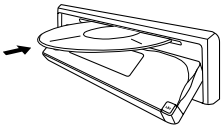
Playing a disc

1 **Open the control panel.**



Note on One-Touch Operation:
When a disc is already in the loading slot, pressing CD/CD-CH LINE (for KD-AR3000) or CD/CD-CH (for KD-LH300) turns on the unit and starts playback automatically.

2 **Insert a disc into the loading slot.**



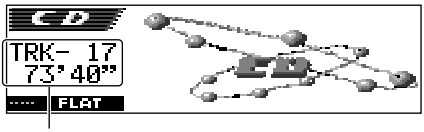
The unit draws the disc, the control panel goes back to the previous position (see page 44), and playback starts automatically.

All tracks will be played repeatedly until you stop playback.

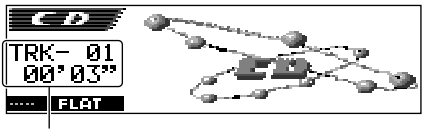
Note:
For details on playable discs and other related information, see page 56.

About mistracking:
Mistracking may result from driving on extremely rough roads. This does not damage the unit and the disc, but will be annoying.
We recommend that you stop disc play while driving on such rough roads.

Display indications when inserting an audio CD or a CD Text:



Total track number and total playing time of the inserted CD

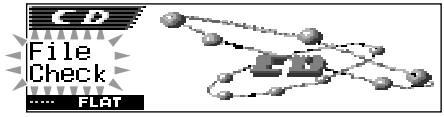


Current track and elapsed playing time

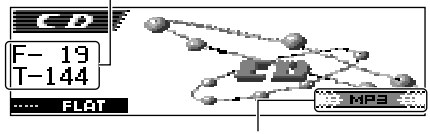
Notes:

- *MP3 or WMA discs require a longer readout time. (It differs due to the complexity of the folder/track configuration.)*
- *The unit cannot read or play an MP3 track without the extension code <.mp3>, and a WMA track without the extension code <.wma>.*

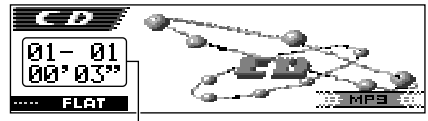
Display indications when inserting an MP3 or a WMA discs:



Total folder and track numbers



MP3 indicator*



Current folder/track and elapsed playing time

* *WMA or MP3 indicator lights up depending on the first detected track.*

To stop play and eject the disc

Press ⏏.
Disc play stops and the control panel moves down. The disc automatically ejects from the loading slot. The source changes to the previously selected source.

- If you change the source or turn the power off, disc play also stops (without ejecting the disc). Next time you select “CD” as the source or turn the power on, disc play starts from where playback has been stopped previously.

To return the control panel to its previous position, press ⏏ again.

- If you keep the loading slot fully open for about 1 minute, (beeps sound when the “Beep” setting is turned “On”—see page 39) the control panel automatically returns to its previous position.
  Be careful not to get the disc or your finger caught in between the control panel and the unit.

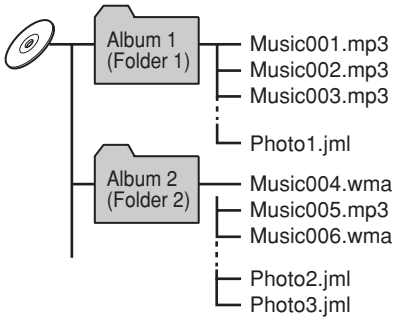
Notes:

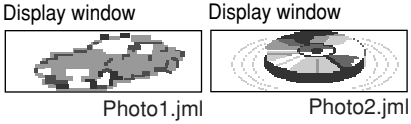
- *If the ejected disc is not removed for about 15 seconds, the disc is automatically inserted again into the loading slot to protect it from dust. (Disc play will not start this time.)*
- *You can eject the disc even when the unit is turned off.*

What is ImageLink?

When an MP3 or a WMA folder includes an image <jml> file edited by Image Converter (supplied in the CD-ROM), you can show the image on the display while the tracks in the folder are played back.

- While reading an image <jml> file, no sounds come out ("Image Link" is shown on the display during this period).





If there are more than one <jml> file in a folder, a <jml> file with younger playback order number will be shown on the display (in the above example, "Photo2.jml" will be used for Album 2).

To activate ImageLink, follow the procedure below:

- See also "Changing the general settings (PSM)" on page 36.

1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
2 Press number button 1 to select "MOVIE"—Movie category of the PSM settings.
The "Graphics" setting screen appears on the display.
3 Turn the control dial to select "ImageLink."
4 Press SEL (select) to finish the setting.
ImageLink starts functioning when the next folder starts playing.

Note:

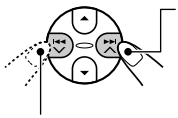
ImageLink will not work in the following cases:

- *If no <jml> file is included in an MP3/WMA folder.*
- *If Intro Scan is activated.*
- *If the source is changed to any other than "CD," or*
- *If you turn off then on the unit while "Image Link" is shown on the display.*

ENGLISH

Locating a track or a particular portion on a disc

To fast-forward or reverse the track



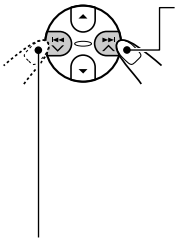
Press and hold ►►I ^, while playing a disc, to fast-forward the track.

Press and hold I◄◄ v, while playing a disc, to reverse the track.

Note:

During this operation on an MP3 or WMA disc, you can only hear intermittent sounds. (The elapsed playing time also changes intermittently on the display.)

To go to the next or previous tracks

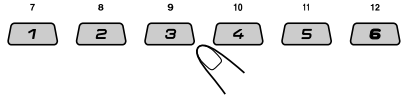


Press ►►I ^ briefly, while playing a disc, to go ahead to the beginning of the next track.
Each time you press the button consecutively, the beginning of the next tracks is located and played back.

Press I◄◄ v briefly, while playing a disc, to go back to the beginning of the current track.
Each time you press the button consecutively, the beginning of the previous tracks is located and played back.

To go to a particular track directly (Only for CD and CD Text discs)

Press the number button corresponding to the track number to start its playback.

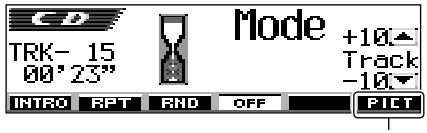


- To select a track number from 01 – 06: Press 1 (7) – 6 (12) briefly.
- To select a track number from 07 – 12: Press and hold 1 (7) – 6 (12) for more than one second.

To go to a track quickly

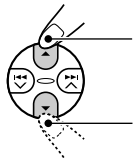
1 Press M MODE while playing a disc.

"Mode" appears on the display. The next-step-operation buttons start flashing.



See page 30 for this function.

2 Press ▲ (up) or ▼ (down) while "Mode" is still on the display.



To skip 10 tracks* forwards to the last track

To skip 10 tracks* backwards to the first track

* First time you press ▲ (up) or ▼ (down) button, the track skips to the nearest higher or lower track with a track number of multiple ten (ex. 10th, 20th, 30th).
Then each time you press the button, you can skip 10 tracks (see "How to go to the desired track quickly" below).

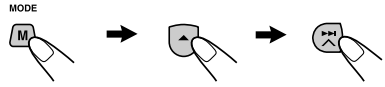
- After the last track, the first track will be selected, and vice versa.

Note:

If the current playing disc is an MP3 or a WMA disc, tracks are skipped within the same folder.

How to go to the desired track quickly

- Ex. 1: To select track number 32 while playing track number 6



(Three times) (Twice)
Track 6 ➡ 10 ➡ 20 ➡ 30 ➡ 31 ➡ 32

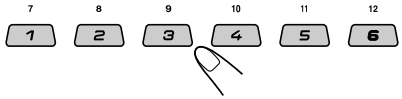
- Ex. 2 : To select track number 8 while playing track number 36

(Three times) (Twice)
Track 36 ➡ 30 ➡ 20 ➡ 10 ➡ 9 ➡ 8

To go to a particular folder directly (Only possible for MP3 or WMA disc)

IMPORTANT:
To directly select the folders using the number button(s), it is required that folders are assigned 2 digit numbers at the beginning of their folder names. (This can only be done during the recording of CD-Rs or CD-RWs.)
Ex.: If folder name is “01 ABC”
→ Press 1 to go to Folder 01 ABC.
If folder name is “1 ABC,” pressing 1 does not work.
If folder name is “12 ABC”
→ Press and hold 6 (12) to go to Folder 12 ABC.

Press the number button corresponding to the folder number to start playing the first track in the selected folder.

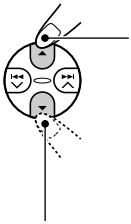


- To select a folder number from 01 – 06: Press 1 (7) – 6 (12) briefly.
- To select a folder number from 07 – 12: Press and hold 1 (7) – 6 (12) for more than one second.

Notes:
- *If “No Music” appears on the display after you have selected a folder, it means that the folder does not contain any MP3 or WMA tracks.*
- *You cannot directly select a folder with a number greater than 12.*

To select a particular track in a folder, press ►►I ^ or I◄◄ v after selecting the folder.

To skip to the next or previous folder (Only possible for MP3 or WMA disc)



Press ▲ (up) while playing a disc to skip to the next folder.
Each time you press the button consecutively, the next folder is located and the first track in the folder starts playing.

Press ▼ (down) while playing a disc to skip back to the previous folder.
Each time you press the button consecutively, the previous folder is located and the first track in the folder starts playing.

Note:
If the folder does not contain any MP3 or WMA tracks, it is skipped.

ENGLISH

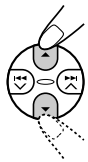
Selecting a folder and a track using the name lists

The following operations are only possible when playing an MP3 or a WMA disc.

You can show the folder name and track name lists on the display while playing a disc. Then, select a folder or a track you want to start playback with.

Selecting a folder and start playback

1 Press and hold ▲ (up) or ▼ (down) so that the folder name list of the inserted disc appears on the display.



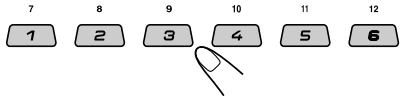
The current playing folder will be highlighted on the display.

Current folder number

Notes:

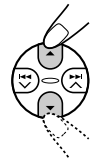
- *The display can shows only six names at a time. You can show the other names on the next lists by pressing ▲ (up) or ▼ (down).*
- *If you press ►►I ^ or I◄◄ v, the track name list of the current playing folder appears. Each time you press the button, the folder name list and track name list appear alternately.*
- *Only folders with MP3 or WMA tracks will be listed.*

2 Select the number (1 – 6) for the folder you want to play.



Selecting a track and start playback

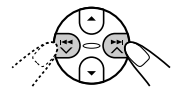
1 Press and hold ▲ (up) or ▼ (down) so that the folder name list of the inserted disc appears on the display.



The current playing folder will be highlighted on the display.

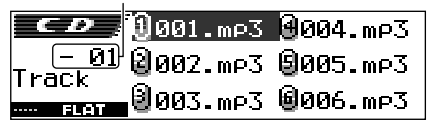
Current folder number

2 Press ►►I ^ or I◄◄ v to show the track name list of the current folder.



The current playing track will be highlighted on the display.

Current track number

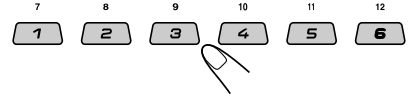


Each time you press the button, the folder name list and track name list appear alternately.

Note:

The display can shows only six names at a time. You can show the other names on the next lists by pressing ▲ (up) or ▼ (down).

3 Select the number (1 – 6) for the track you want to play.



Selecting the playback modes

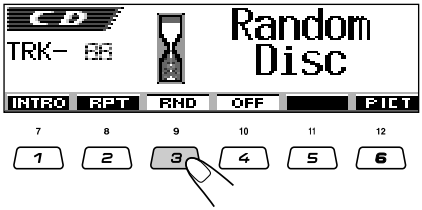
To play back tracks at random (Random Play)

You can play back all tracks on the disc (or a folder for MP3 and WMA discs) at random.

1 Press M MODE while playing a disc.

"Mode" appears on the display. The next-step-operation buttons start flashing.

2 Press number button 3 repeatedly while "Mode" is still on the display.



Each time you press the button, random play mode changes as follows:

For audio CD and CD Text discs:

Random Disc ↔ Random Off

For MP3 and WMA discs:

Random Folder → Random Disc → Random Off

Mode	Active indicator	Plays at random
Random Folder*	RND (folder random) indicator lights up.	All tracks of the current folder, then tracks of the next folder and so on.
Random Disc	RND (disc random) indicator lights up.	All tracks on the disc.

* *"Random Folder" can be used for MP3 and WMA discs only.*

To cancel random play, select "Random Off" by pressing number button 3 repeatedly or press number button 4 in step **2**.

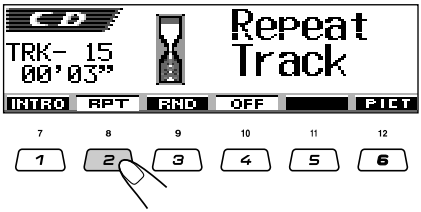
To play back tracks repeatedly (Repeat Play)

You can play back the current track (or a folder for MP3 and WMA discs) repeatedly.

1 Press M MODE while playing a disc.

"Mode" appears on the display. The next-step-operation buttons start flashing.

2 Press number button 2 repeatedly while "Mode" is still on the display.



Each time you press the button, repeat play mode changes as follows:

For audio CD and CD Text discs:

Repeat Track ↔ Repeat Off

For MP3 and WMA discs:

Repeat Track → Repeat Folder → Repeat Off

Mode	Active indicator	Plays repeatedly
Repeat Track	RPT (track repeat) indicator lights up.	The current (or specified) track.
Repeat Folder*	RPT (folder repeat) indicator lights up.	All tracks of the current (or specified) folder of the disc.

* *"Repeat Folder" can be used for MP3 and WMA discs only.*

To cancel repeat play, select "Repeat Off" by pressing number button 2 repeatedly or press number button 4 in step **2**.

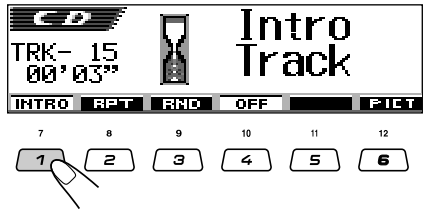
To play back only intros (Intro Scan)

You can play back the first 15 seconds of each track sequentially.

1 Press M MODE while playing a disc.

"Mode" appears on the display. The next-step-operation buttons start flashing.

2 Press number button 1 repeatedly while "Mode" is still on the display.



Each time you press the button, intro scan mode changes as follows:

For audio CD and CD Text discs:

Intro Track ↔ Intro Off

For MP3 and WMA discs:

Intro Track → Intro Folder → Intro Off → Intro Track

Mode	Active indicator	Plays the beginnings (15 seconds) of
Intro Track	♪ INT (track intro) indicator lights up.	All tracks on the disc.
Intro Folder*	🗀 INT (folder intro) indicator lights up.	The first track of every folder of the disc.

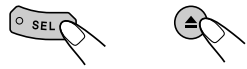
* *"Intro Folder" can be used for MP3 and WMA discs only.*

To cancel intro scan, select "Intro Off" by pressing number button 1 repeatedly or press number button 4 in step **2**.

Prohibiting disc ejection

You can prohibit disc ejection and can lock a disc in the loading slot.

While pressing SEL (select), press and hold ⏏ (eject) for more than 2 seconds.



"No Eject" flashes on the display for about 5 seconds, and the disc is locked and cannot be ejected.

To cancel the prohibition and unlock the disc

While pressing SEL (select), press and hold ⏏ (eject) again for more than 2 seconds.
"Eject OK" flashes on the display for about 5 seconds, and the disc is unlocked.

Changing the display pattern

By pressing D DISP, you can change the information shown on the display.

If the information cannot be shown at a time, it will scroll on the display. See also "To select the scroll mode—Scroll" on page 38.

Some characters or symbols will not be shown (will be blanked or substituted) on the display.

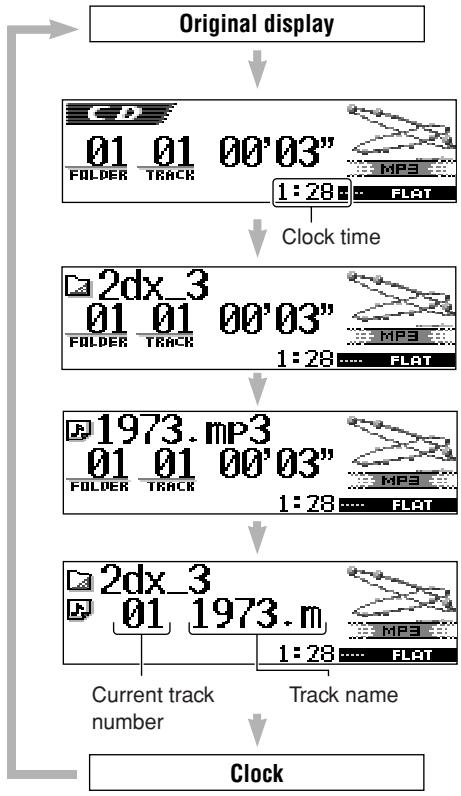
Each time you press the button, the display patterns change as follows:

While playing an audio CD or a CD Text disc:

Notes:

- *When the disc title/performer is shown, the (disc) indicator lights up. When the track title is shown, the (track) indicator lights up.*
- *If no name is assigned to the audio CD, "NO NAME" will appear. To assign a name to an audio CD, see page 43.*
- *If no disc title/performer or no track title is recorded for the CD Text, "NO NAME" will appear.*

While playing an MP3 or a WMA disc when "Tag" is set to "Off":



Notes:

- *When the folder name is shown, the (folder) indicator lights up. When the track name is shown, the (track) indicator lights up.*
- *If "Tag" is set to "On" (see page 38), ID3 tag information will appear on the display if the disc has an ID3 tag.*
  The album name/performer with (disc) indicator appear on the display instead of the folder name; while track title with (track) indicator appear instead of the track name.

SOUND ADJUSTMENTS

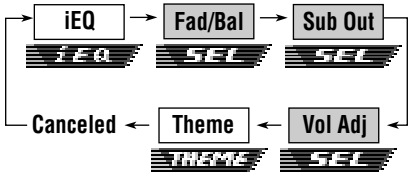
Adjusting the sound

You can set the speaker output balance, subwoofer output level, and input level of each source.

- There is a time limit in doing the following procedure. If the setting is canceled before you finish, start from step ***1*** again.

1 Select the item you want to adjust.

The next-step-operation buttons start flashing. Each time you press the button, the adjustable items change as follows:

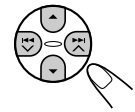


- For iEQ (sound mode) settings, see pages 25 – 27.
- For THEME (display theme) settings, see page 28.

Indication	To do:	Range
Fad	Adjust the front and rear speaker balance.	R06 (Rear only) | F06 (Front only)
Bal	Adjust the left and right speaker balance.	L06 (Left only) | R06 (Right only)
Sub Out	Adjust the subwoofer output level and cutoff frequency level.	00 (min.) | 12 (max.) Low/Mid/High
Vol Adj	Adjust and store the input level of each source.	–12 (min.) | +12 (max.)

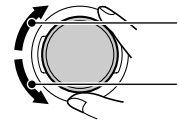
2 Make adjustments.

- **To adjust fader and balance—Fad, Bal:** You can make these two adjustments at the same time.
  - If you are using a two-speaker system, set the fader level to “00.”



- Press ▲ (up) or ▼ (down) to adjust the fader.
- Press ►►I ^ or I◄◄ v to adjust the balance.

- **To adjust subwoofer output—Sub Out:** This takes effect only when a subwoofer is connected.



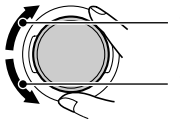
You can also set an appropriate cutoff frequency level according to the subwoofer connected.

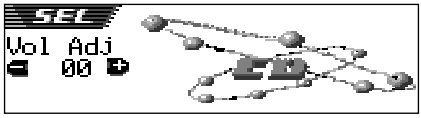
- Press ►►I ^ or I◄◄ v to select “Low,” “Mid,” or “High.”

  Low: Frequencies higher than 50 Hz are cut off to the subwoofer.
  Mid: Frequencies higher than 80 Hz are cut off to the subwoofer.
  High: Frequencies higher than 115 Hz are cut off to the subwoofer.

- **To adjust the input level of each source —Vol Adj:**
  Volume adjustment level can be separately stored for each source—CD, AM, Line in, CD changer, and SIRIUS. Before making an adjustment, select an appropriate source for which you want to make an adjustment.
  Once you have adjusted it, it is memorized, and you will not need to adjust the volume level each time you change the source.

  Adjust the input level to match it to the FM sound level.
  - You cannot make an adjustment if the source is FM. "FIX" will appear.





Selecting preset sound modes (iEQ: intelligent equalizer)

You can select a preset sound mode (iEQ: intelligent equalizer) suitable to the music genre.

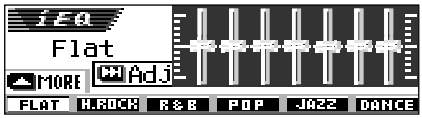
- There is a time limit in doing the following procedure. If the setting is canceled before you finish, start from step ***1*** again.

Available sound modes:

FLAT (No sound mode is applied)
H.ROCK (Hard Rock)
R & B (Rhythm and Blues)
POP (Popular music)
JAZZ (Jazz music)
DANCE (Dance music)
Country (Country music)
REGGAE (Reggae)
CLASSIC (Classical music)
USER 1, USER 2, USER 3

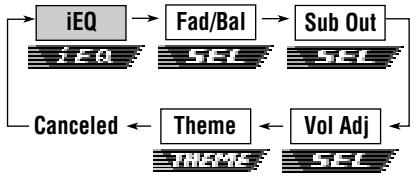
1 Press SEL (select) once.

The last selected sound mode is called up.
The next-step-operation buttons start flashing.



Ex.: If you have selected "Flat" previously

Each time you press the button, the adjustable items change as follows:



- For SEL (basic sound) settings, see pages 24 – 25.
- For THEME (display theme) settings, see page 28.

CONTINUED ON THE NEXT PAGE

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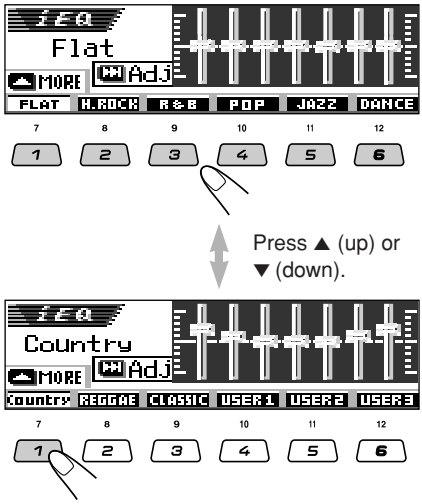
2 Press the number button to select the sound mode you want.

- This unit has two sound mode selection screens. To move to the other screen, press ▲ (up) or ▼ (down).



To cancel the sound mode, select "FLAT" in step ***2***.

Notes:

- *You can adjust the preset sound modes temporarily. However, your temporary adjustments will be reset when you select another sound mode.*
- *For details about the preset settings of each sound mode, see table below.*

To exit from the sound mode selection screen, press SEL (select) repeatedly or wait for about 5 seconds.

Sound modes (preset frequency level settings)

The list below shows the preset frequency level settings for each sound mode.

Sound Mode	Preset equalizing values						
	60 Hz	150 Hz	400 Hz	1 kHz	2.4 kHz	6 kHz	12 kHz
Flat	00	00	00	00	00	00	00
Hard Rock	+03	+03	+01	00	00	+02	+01
R & B	+03	+02	+02	00	+01	+01	+03
Pop	00	+02	00	00	+01	+01	+02
Jazz	+03	+02	+01	+01	+01	+03	+02
Dance Music	+04	+02	00	–02	–01	+01	+01
Country	+02	+01	00	00	00	+01	+02
Reggae	+03	00	00	+01	+02	+02	+03
Classic	+02	+03	+01	00	00	+02	00
User 1	00	00	00	00	00	00	00
User 2	00	00	00	00	00	00	00
User 3	00	00	00	00	00	00	00

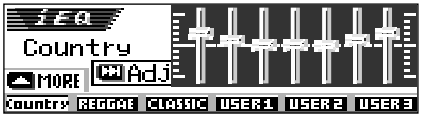
Storing your own sound modes

You can adjust the sound modes to your preference and store your own adjustments in memory (USER 1, USER 2, and USER 3).

- There is a time limit in doing the following procedure. If the setting is canceled before you finish, start from step ***1*** again.

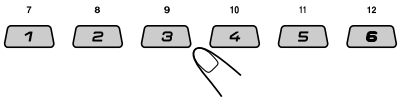
1 Press SEL (select) once.

The last selected sound mode is called up.
The next-step-operation buttons start flashing.



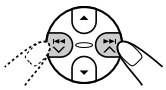
Ex.: If you have selected "Country" previously

2 Select the sound mode you want to adjust.

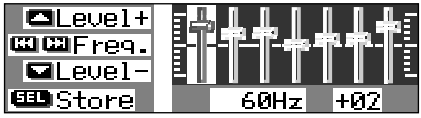


- This unit has two sound mode selection screens. To move to the other screen, press ▲ (up) or ▼ (down).

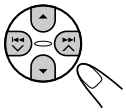
3 Enter the sound adjustment mode.



The following sound mode adjustment screen appears on the display.



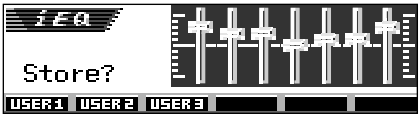
4 Make adjustments as you like.



1) Press ►►| ^ or |◄◄ v to select the frequency band—60Hz, 150Hz, 400Hz, 1kHz, 2.4kHz, 6kHz, 12kHz.
2) Press ▲ (up) or ▼ (down) to adjust the level of the selected band within the range of –05 to +05.
3) Repeat steps 1) and 2) to adjust the other frequency bands.

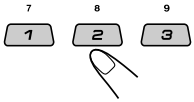
5 Store the adjustment you made.

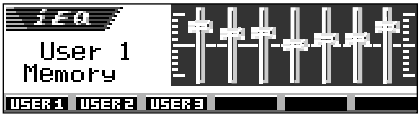
The confirmation message appears—whether you want to store the adjustment.



If you want to cancel the adjustments, press D DISP.

6 Select one of the user sound modes (USER 1, USER 2, or USER 3) you want to store into.





Ex.: When you select "User 1"

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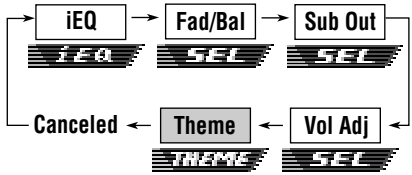
Selecting the display theme

You can select the theme of the display during playback.

- There is a time limit in doing the following procedure. If the setting is canceled before you finish, start from step ***1*** again.

1 Select "THEME."

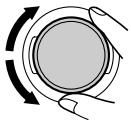
Each time you press the button, the adjustable items change as follows:



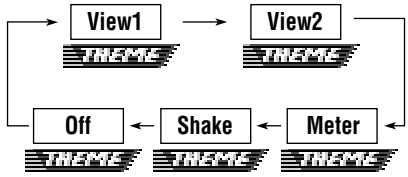
The last selected theme appears on the display.
The next-step-operation button starts flashing.

- For SEL (basic sound) settings, see pages 24 – 25.
- For iEQ (sound mode) settings, see pages 25 – 27.

2 Select the display theme you want.



As you turn the control dial, the themes change as follows:



Note:

View 1 and 2 have positive pattern display and negative pattern display (see right column). Either positive or negative pattern display is automatically selected depending on the "LCD Type" setting (see page 38).

View 1:

A scenery display appears.

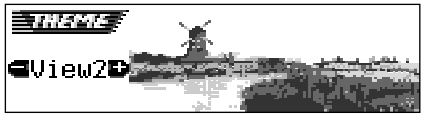
- Positive pattern display:

- Negative pattern display:

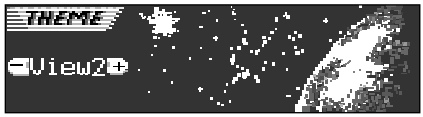
View 2:

A scenery display appears.

- Positive pattern display:



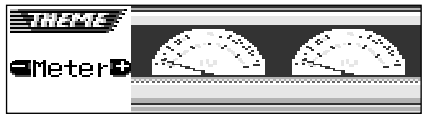
- Negative pattern display:



Meter:

The left and right audio level meters appear.

- If the small animation display is selected, only one audio level meter can be shown.



Shake:

The speaker on the display vibrates as input audio level changes.

Off:

Cancels the display theme.

GRAPHIC DISPLAYS PiCT

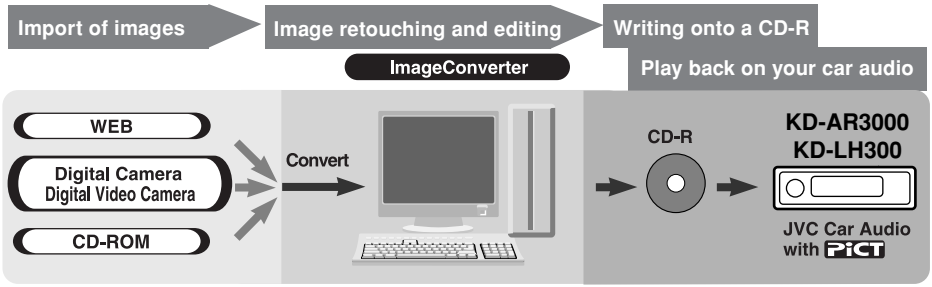
With the supplied Image Converter CD-ROM, you can edit your own favorite pictures and use them as the opening screen, ending screen, and graphic screen while playing a source.

What is Image Converter?
Image Converter is a JVC's original software to produce customize images to be shown on your JVC Car Audio.

Here is a basic procedure to make a CD-R including still images (pictures) and animations (movies) using Image Converter

In this manual, we only explain how to export the files (still images and animations) into the built-in memory of this unit—step 5 below.

- For the other processes (from steps 1 to 4 below), refer to Image Converter's Operation Guide (PDF files included in the "Manual" folder of the supplied CD-ROM).



1 Install / Start the program

Install Image Converter on your PC.

2 Import the images

Import the source images from the Image Converter CD-ROM or from other equipment like a digital camera or a digital video camera.

3 Retouch and edit the images

Retouch the images like trimming or adjusting color, editing the animation effect, and adding the texts.

4 Write your images onto a CD-R

Write the animations or the still images you made with Image Converter using your CD-R writing software.
You have to write the images you made onto a CD-R to enjoy the images on your Car Audio.

- To write data onto a CD-R, refer also to the instruction of your CD-R writing software.

5 Enjoy the animations or the still images you made on your Car Audio

Export the images to your JVC Car Audio from the CD-R you made.

Downloading images and animations

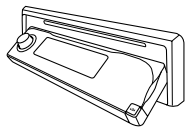
Before starting the following procedure, prepare a CD-ROM including still images (pictures) and animations (movies).

- The supplied Image Converter CD-ROM includes sample images and animations, so you can use this disc as your first trial.

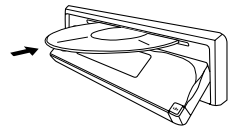
IMPORTANT:

- Still images (pictures) should have <**jml**>, and animations (movies) should have <**jma**> as their extension code in their file names.
- Downloading a file can be done only while selecting "CD" as the source; on the other hand, deleting a file can be done while selecting any source.
- Before you download or erase the files, observe the following:
  – Do not download a file while driving.
  – Do not turn off the ignition key of the car while downloading or erasing a file*.
  – Do not detach the control panel while downloading or erasing a file*.
  * If you do it, the file download and erasure will not be done correctly. In this case, perform the same procedure again.
- If you have already downloaded an animation for "Opening," "Ending," or "Movie," downloading a new animation deletes the previously stored animation.
- It takes a long time for the unit to download an animation.
  – About 6 to 7 seconds for a still image (one frame).
  – About 3 to 4 minutes for an animation of 30 frames.
  – About 10 minutes for an animation of 90 frames.

1 Open the control panel.



2 Insert a CD-ROM with the files (images and animations) into the loading slot.

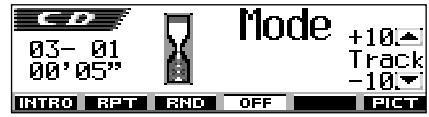


The unit draws the disc, the control panel goes back to the previous position (see page 44).

- If the disc includes playable audio files such as MP3 tracks, playback starts automatically.

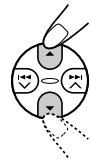
3 Press M MODE after the disc is detected.

"Mode" appears on the display. The next-step-operation buttons start flashing.



4 Press number button 6 to show the download selection screen.

5 Select (highlight) one of the listed items for which you want to download a file.



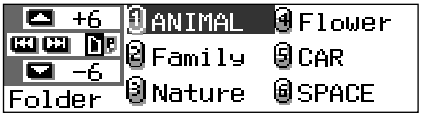
- **Opening :** Opening screen
  To download an animation to be shown after the unit is turned on. (You can store only one animation consisting of a maximum of 30 frames.)
- **Ending :** Ending screen
  To download an animation to be shown before the unit is turned off. (You can store only one animation consisting of a maximum of 30 frames.)
- **Picture :** Graphic screen*
  To download a still image to be shown if no operation is done for about 20 seconds. (You can store 90 frames of still images—one frame each.)
- **Movie :** Graphic screen*
  To download an animation to be shown if no operation is done for about 20 seconds. (You can store only one animation consisting of a maximum of 90 frames.)

* *Graphic screen will appear only if the "Graphics" setting is set to one of the following—"UserMovie," "UserSlide," or "UserPict." (see page 38).*

If you want to cancel the procedure, press number button 5, the download selection screen goes off.

6 Show the name list of the folder included in the inserted CD-R.

"File Check...." appears for a while, then the folder list appears.



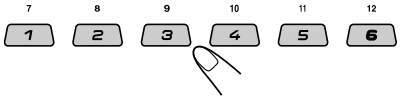
The currently selected folder will be highlighted on the display.

Notes:

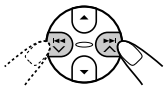
- *On this list, the folders including the target files—<jml> files for "Picture" and <jma> files for the others—are shown.*
- *The display can show only six names at a time. You can show the other names on the next lists by pressing ▲ (up) or ▼ (down).*
- *If a disc inserted does not include any <jml> and <jma> files, beeps sound and you cannot go to the next step.*

If you want to cancel the procedure, press D DISP.

7 Select (highlight) a folder in which a file you want is included.

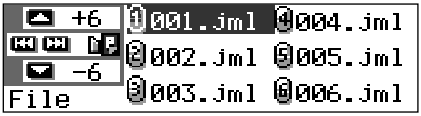


8 Show the name list of the files included in the selected folder.



Each time you press the button, the lists on the display changes as follows:

Folder name list ⟷ File name list



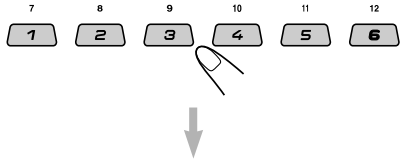
Ex.: When you have selected "Picture" in step ***5***

Note:

The display can show only six names at a time. You can show the other names on the next lists by pressing ▲ (up) or ▼ (down).

CONTINUED ON THE NEXT PAGE

9 Select (highlight) a file you want to download.



The file name appears, and the unit will ask you “Download OK?”

10 If it is OK, press number button 1 to start downloading.

Downloading starts, and “Downloading...” appears on the display.
If it is over, the file name list appears again.

If it is not OK, press number button 5, the file selection screen appears again. Repeat from step ***8*** again.

11 Repeat steps *8* to *10* if you are downloading files for “Picture” and want to store more files.

12 Finish the download procedure.

To download a file for another item listed on the download selection screen, repeat from step ***3*** again.

Notes:

- *If you try to store the 91st image for picture screen, “Picture Full” appears and you cannot start downloading. In this case, delete unwanted files before downloading.*
- *If the total frame number of the downloaded animations exceeds the following number, the exceeding frames are ignored.*
  – *For opening and ending screens: 30 frames*
  – *For movie screen: 90 frames*

Deleting unwanted files

- When “BACK” is shown on the display above number button 5, you can go back to the previous screen by pressing number button 5.

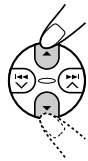
To delete all the stored files at a time

1 Press M MODE while playing any source.

“Mode” appears on the display. The next-step-operation buttons start flashing.

2 Press number button 6 to show the download selection screen.

3 Press ▲ (up) or ▼ (down) to select (highlight) all the listed items.



4 Press number button 4.

The unit asks you “All File Delete OK?”

5 Press number button 4 again.

“Now Deleting...” appears while erasing the files. When erasure is over, the download selection screen appears again.

6 Press number button 5 to resume the source indication screen.

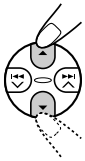
To delete the files stored for "Opening," "Ending," "Picture (all stored images at a time)," and "Movie"

1 Press M MODE while playing any source.

"Mode" appears on the display. The next-step-operation buttons start flashing.

2 Press number button 6 to show the download selection screen.

3 Press ▲ (up) or ▼ (down) to select (highlight) one of the listed items.



Appears when "Picture" is selected (highlighted)

4 **To delete the file stored in "Opening," "Ending," and "Movie,"** press number button 3.

The file name of the previously stored animation appears, and the unit asks you "Delete OK?"

To delete all the files stored in "Picture" at a time, press number button 4.

The unit asks you "All Picture Delete OK?"

5 **To delete the file stored in "Opening," "Ending," and "Movie,"** press number button 3 again.

To delete all the files stored in "Picture" at a time, press number button 4 again.

"Now Deleting..." appears while erasing all the stored files. When erasure is over, the download selection screen appears again.

6 Press number button 5 to resume the source indication screen.

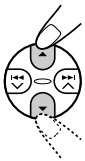
To delete the stored files for "Picture" (one by one)

1 Press M MODE while playing any source.

"Mode" appears on the display. The next-step-operation buttons start flashing.

2 Press number button 6 to show the download selection screen.

3 Press ▲ (up) or ▼ (down) to select (highlight) "Picture."



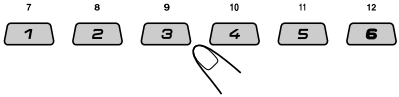
4 Press number button 3.

The unit shows the name list of the stored files.

Note:

The display can show only six names at a time. You can show the other names by pressing ▲ (up) or ▼ (down) repeatedly.

5 Press the number buttons for the file you want to delete.



Selected file name appears, and the unit asks you "Delete OK?"

CONTINUED ON THE NEXT PAGE

6 Press number button 3 to start erasure.

"Now Deleting..." appears while erasing the selected file. When erasure is over, the name list of the stored file appears again.

7 To delete more files, repeat from steps **5** and **6**.

8 Press D DISP to resume the source indication screen.

Activating the downloaded images and animations

Activating the animations stored for opening and ending screens

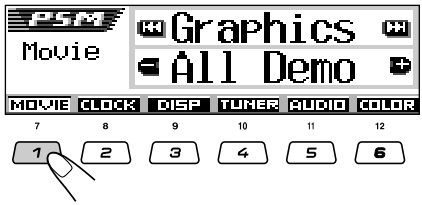
After the unit turns on or before the unit turns off, you can see preset animations on the display. These are called opening screen and ending screen. You can use your own edited animations for these opening and ending screens.

- Before performing the following procedure, make sure that "KeyIn CFM" is set to "On"; otherwise, the animations may not be shown. (See page 38.)
- If no animation is stored in "Opening" and "Ending," "Opening" and "Ending" cannot be selected as a PSM item.

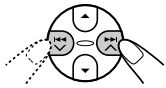
1 **Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (PSM: see pages 36 and 37.)**

2 **Press number button 1 to select "MOVIE"—Movie category of the PSM settings.**

The "Graphics" setting screen appears on the display.



3 **Select "Opening" (opening screen setting) or "Ending" (ending screen setting).**



Ex.: When you select "Opening"

4 **Select "User."**

- Default: Factory-preset animation is used.
- User: Your own edited animation is used.

5 **Finish the setting.**

Activating the graphic screen using either picture or movie

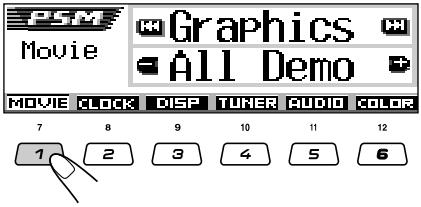
Using this setting, you can change the graphic displays. These graphic screen appears if no operation is done for about 20 seconds.

- If no image is stored in "Picture," or no animation in "Movie," "UserPict.," "UserMovie," and "UserSlide" cannot be selected as a PSM item.

1 **Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (PSM: see pages 36 and 37.)**

2 **Press number button 1 to select "MOVIE"—Movie category of the PSM settings.**

The "Graphics" setting screen appears on the display.



3 **Select "UserMovie," "UserSlide," or "UserPict."**

Ex.: When you select "UserPict."

- UserMovie: Your edited animation stored in "Movie" is activated as your graphic screen.
- UserSlide: Your edited still images stored in "Picture" are activated and shown in sequence as your graphic screen.
- UserPict.: One of your edited still image stored in "Picture" is activated as your graphic screen. Select one of the stored images (see the next column).

4 **Finish the setting.**

To cancel all graphic displays, select "Off" in step ***3***.

Note:

For the "Graphics" setting, you can also select "All Demo," "Int Demo," and "ImageLink."

– See pages 8 and 38 for "All Demo" and "Int Demo."

– See pages 17 and 38 for "ImageLink."

Selecting a still image for graphic display—User Picture

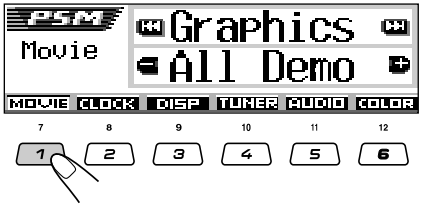
You cannot select "UserPict." as a PSM item in the following cases:

- If no image is stored in "Picture," or
- "UserPict." is not selected for the "Graphics" setting (see the left column).

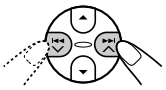
1 **Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (PSM: see pages 36 and 37.)**

2 **Press number button 1 to select "MOVIE"—Movie category of the PSM settings.**

The "Graphics" setting screen appears on the display.



3 **Select "UserPict."**



File name of the current selected image also appears.

4 **Select a file you want.**

5 **Finish the setting.**

ENGLISH

Changing the general settings (PSM)

You can change the items listed on the table below and on page 37 by using the PSM (Preferred Setting Mode) control.

- The PSM items are grouped into six categories—MOVIE, CLOCK, DISP (display), TUNER, AUDIO, and COLOR.

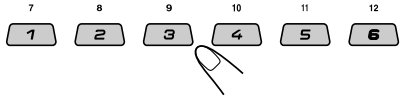
Basic Procedure

1 **Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (See below and page 37.)**

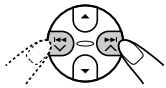
The next-step-operation buttons start flashing.

2 **Press number button to select one of the PSM categories.**

The first-listed item in the selected category appears.

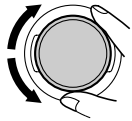


3 **Select the PSM item you want to adjust.**



- By pressing ►►I ∧ or I◄◄ ∨ repeatedly, you can also move to another category.

4 **Adjust the PSM item selected.**



5 **Repeat steps *2* to *4* to adjust the other PSM items if necessary.**

6 **Finish the setting.**

Preferred Setting Mode (PSM) items

The PSM items are grouped into six categories—MOVIE, CLOCK, DISP (display), TUNER, AUDIO, and COLOR.

Indications			Selectable values/items		Factory-preset settings	See page
MOVIE	**Graphics**	Movie demonstration	See page 38 for details		All Demo	8, 17, 38
	KeyIn CFM	Key-in confirmation	On	Off	On	38
	Opening*1	Opening animation	Default	User	Default	34
	Ending*1	Ending animation	Default	User	Default	34
	UserPict.*2	User Picture	From the stored files		First stored	35

*1 *Displayed only after a downloadable file is stored in memory.*

*2 *Displayed only after a downloadable file is stored in memory and while selecting "UserPict." for "Graphics."*

Indications			Selectable values/items		Factory-preset settings	See page
CLOCK	**Clock Hr**	Hour adjustment	1 – 12 (0 – 23)		1 (1:00AM)	9
	Clock Min	Minute adjustment	00 – 59		00 (1:00AM)	9
	24H/12H	24 hours or 12 hours	12Hours	24Hours	12Hours	9
DISP (display)	**Scroll**	Scroll mode	Once ↔ Auto ↕ Off		Once	38
	Dimmer	Dimmer mode	Auto ↔ Off ↕ Time Set ↔ On		Auto	40
	From– To[*3]	Dimmer time setting	Any time – Any time		6PM – 7AM	40
	Contrast	Contrast	1 – 10		5	38
	LCD Type	Display type	Auto ↔ Positive ↕ Negative		Auto	38
	Font Type	Font type	1	2	1	38
	Tag	Tag display	Off	On	On	38
TUNER	**IF Filter**	Intermediate frequency filter	Wide	Auto	Auto	39
AUDIO	**Beep**	Key-touch tone	Off	On	On	39
	Ext Input[*4]	External component	Changer ↔ Line In[*5] ↕ SIRIUS		Changer	39
	Amp.Gain	Amplifier gain control	HighPower ↔ LowPower ↕ Off[*6]		HighPower	39
COLOR	**All SRC**	Selected source	See page 41 for details		Every	41
	User	User color selection	Day	Night	Day	42
	R	Red	00 – 11		Day: 07/Night: 05	42
	G	Green	00 – 11		Day: 07/Night: 05	42
	B	Blue	00 – 11		Day: 07/Night: 05	42
	SlotLight	Slot light	On	Off	On	39

[*3] *Displayed only when "Dimmer" is set to "Time Set."*
[*4] *Not displayed when the current source is the external component.*
[*5] *Only for KD-LH300*
[*6] *Only for KD-AR3000*

ENGLISH

To show the graphics on the display —Graphics

You can change the graphics shown on the display. These graphics appear if no operation is done for about 20 seconds (except for "ImageLink").

- All Demo: Display demonstration (animation) appears (see page 8).
- Int Demo: Display demonstration (animation) and playback source indication appears alternately (see page 8).
- UserMovie: Your edited animation appears (see pages 34 and 35).
- UserSlide: Your edited still images appears in sequence (see pages 34 and 35).
- UserPict.: One of your edited still image appears (see pages 34 and 35).
- ImageLink: To show a still image while playing back an MP3/WMA tracks (see page 17).
- Off: Cancels all graphic display above.

Note:

You can select "UserMovie," "UserSlide," and "UserPict." only after downloading the appropriate files in memory. (See page 30.)

To turn the source animation on the display on or off—KeyIn CFM

When changing the source, the display shows the source animation. You can turn on or off the source animation on the display.

- On: Turns on the source animation.
- Off: Cancels the source animation.

To select the scroll mode—Scroll

You can select the scroll mode for the disc information (when the entire text cannot be shown at once).

- Once: Scrolls only once.
- Auto: Repeats the scroll (in 5-second intervals).
- Off: Cancels scroll mode.

Note:

Even if the scroll mode is set to "Off," you can scroll the display by pressing D DISP for more than one second.

To adjust the display contrast level —Contrast

Adjust the display contrast (1 – 10) to make the display indications clear and legible.

To select the display illumination pattern —LCD Type

You can select the display illumination patterns according to your preference.

- Auto: Positive pattern will be selected during the day time (depending on the "Dimmer" setting); on the other hand, negative pattern will be used during the night time (depending on the "Dimmer" setting).
- Positive: Positive (normal) pattern of the display.
- Negative: Negative pattern of the display.

To select the font on the display —Font Type

You can change the font types used on the display. Select either "1" or "2" according to your preference.

To turn the tag display on or off—Tag

An MP3/WMA track can contain track information called "ID3 Tag" where its album name, performer, track title, etc. are recorded.
There are two versions–ID3v1 (ID3 Tag version 1) and ID3v2 (ID3 Tag version 2). If both ID3v1 and ID3v2 are recorded on a disc, ID3v2 information will be shown.

- On: Turns on the ID3 tag display while playing MP3/WMA tracks.
  - If an MP3/WMA track does not have ID3 tags, folder name and track name appear.
- Off: Turns off the ID3 tag display while playing MP3/WMA tracks. (Only the folder name and track name can be shown.)

To change the FM tuner selectivity —IF Filter

In some areas, adjacent stations may interfere with each other. If this interference occurs, noise may be heard.

- Auto: When this type of interference occurs, this unit automatically increases the tuner selectivity so that interference noise will be reduced. (But the stereo effect will also be lost.)
- Wide: Subject to the interference from adjacent stations, but sound quality will not be degraded and the stereo effect will not be lost.

To turn the key-touch tone on or off—Beep

You can deactivate the key-touch tone if you do not want it to beep each time you press a button.

- On: Activates the key-touch tone.
- Off: Deactivates the key-touch tone.

To select the external component to use —Ext Input

You can connect the external component to the CD changer jack on the rear using the adapter specially designed for the component.

- Changer: To use the CD changer.
- Line In: To use the external component other than CD changer (only for KD-LH300).
- SIRIUS: To use the JVC SIRIUS Radio.

Notes:

- *Only for KD-LH300: For connecting the Line Input Adapter KS-U57 and the external component, refer to the Installation/Connection Manual (separate volume).*
- *For connecting the JVC SIRIUS Radio, refer to the SIRIUS Radio Setup Manual (separate volume).*

To select the amplifier gain control —Amp.Gain

You can change the maximum volume level of this unit. When the maximum power of the speakers is less than 50 W, select “LowPower” to prevent them from being damaged.

- LowPower: You can adjust the volume level from “Volume 00” to “Volume 30.”

  Note:

  If you change the setting from “HighPower” to “LowPower” while listening at a volume level more than 30, the unit automatically changes the volume level to “Volume 30.”

- HighPower: You can adjust the volume level from “Volume 00” to “Volume 50.”
- Off: Only for KD-AR3000: Deactivates the built-in amplifier. (Sounds come out only from external amplifiers connected to Line Out plugs).

To turn the slot light on or off—SlotLight

You can turn off the slot light if you do not want the illumination each time you insert/eject the disc or when you change the control panel angle.

- On: Activates the illumination.
- Off: Deactivates the illumination.

Selecting the dimmer mode

You can dim the display at night automatically or as you set the timer.

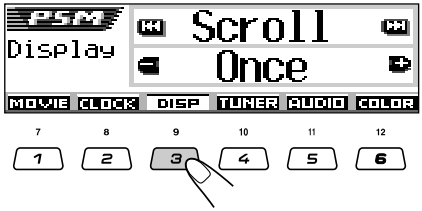
Note:

Auto Dimmer equipped with this unit may not work correctly on some vehicles, particularly on those having a control dial for dimming.
In this case, select any other than "Auto."

1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (See pages 36 and 37.)

The next-step-operation buttons start flashing.

2 Press number button 3 to select "DISP"—Display category of the PSM settings.



3 Press ►►| ^ or |◄◄ v to select "Dimmer."

4 Set the dimmer mode as you like.

- Auto: Activates Auto Dimmer. When you turn on the car head lights, the display automatically dims.
- Off: Cancels Auto Dimmer.
- On: Always dims the display.
- Time Set: Used to set the timer for the dimmer mode.

Note:

Selecting "Auto" or "Time Set" may change the display pattern to the "Negative" or "Positive" pattern if "LCD Type" is set to "Auto."

- If you select "Time Set," go to the following steps to set the timer.
- If you select any other than "Time Set," go to step ***7*** to finish the setting.

5 Select "From– To" to set the timer for the dimmer mode.

6 Set the timer.

1. Turn the control dial to select the start time.
2. Press ►►| ^ once.
3. Turn the control dial to select the end time.

7 Finish the setting.

Changing the display color

You can set the display color using the PSM control. You can select your favorite color for each source (or for all sources).
You can also create your own colors, and set them as the display color.

Setting the desired color for each source

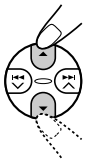
Once you have set the color for each source (or for all sources), the display illuminates in the selected color when the source is selected.

1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (See pages 36 and 37.)

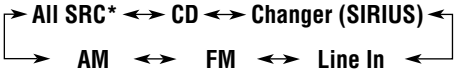
The next-step-operation buttons start flashing.

2 Press number button 6 to select "COLOR"—Color category of the PSM settings.

3 Select the source that you want to set the display color for.



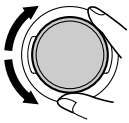
For KD-AR3000:



For KD-LH300:

* *When you select "All SRC," you can use the same color for all the sources.*

4 Select the display color.



As you turn the control dial, the colors change as follows:

Every*1 ⇄ Aqua ⇄ Sky ⇄ Sea ⇄ Leaves ⇄ Grass ⇄ Apple ⇄ Rose ⇄ Amber ⇄ Honey ⇄ Violet ⇄ Grape ⇄ Pale ⇄ User*2 ⇄ (back to the beginning)

*1 *When you select "Every," the color changes every 2 seconds (changing to every color listed above except "User").*
*2 *When you select "User," the user-edited colors—"Day" and "Night" will be applied. (See page 42.)*

5 Repeat steps *3* and *4* to select the color for each source (except when selecting "All SRC" in step *3*).

6 Finish the setting.

CONTINUED ON THE NEXT PAGE

Creating your own color—User

You can create your own colors—"Day" and "Night," and select them as the display color for any desired source.

- Day: Can be used as your user color during the day time*.
- Night: Can be used as your user color during the night time*.

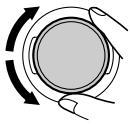
* *Depends on the "Dimmer" setting.*

1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (See pages 36 and 37.)

The next-step-operation buttons start flashing.

2 Press number button 6 to select "COLOR"—Color category of the PSM settings.

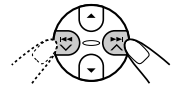
3 Select "User" as a color.



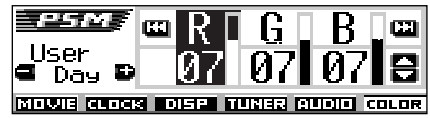
The user color will be applied to the currently selected source (the one shown on the upper portion of the display. In this example "All SRC").

To select which source to apply your user color to, select the target source first by pressing ▲ (up) or ▼ (down), before selecting "User" in this step.

4 Select the user color adjustment screen.



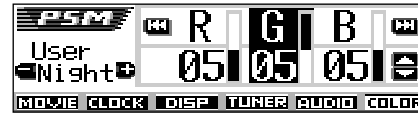
One of the user color adjustment screens appears.
"User Day" or "User Night" is shown on the left side of the display.



5 Select "Day" or "Night" which you want to make an adjustment for.

6 Adjust the selected user color.

1) Press ►►| ∧ or |◄◄ ∨ to select one of three primary colors—"R" (red), "G" (green), and "B" (blue).



2) Press ▲ (up) or ▼ (down) to adjust the selected primary color.

You can adjust within the range of 00 to 11.

3) Repeat steps 1) and 2) to adjust the other primary colors.

7 Repeat steps *5* and *6* to adjust the other user colors—"Day" or "Night."

8 Finish the setting.

Assigning names to the sources

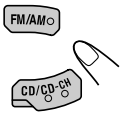
You can assign names to station frequencies, CDs (both in this unit and in the CD changer), and the external component (Line Input). After assigning a name, it will appears on the display when you select the source.

Sources	Maximum number of characters
Station frequencies	Up to 10 characters (up to 30 station frequencies including both FM and AM)
CDs*	Up to 32 characters (up to 40 discs)
External component (Line Input)	Up to 8 characters

* *You cannot assign a name to a CD Text or an MP3/WMA disc.*

1 Select a source you want to assign a name to.

(For KD-AR3000)

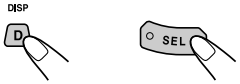


(For KD-LH300)

When you select a source, the power automatically comes on.

2 While pressing D DISP, press and hold SEL (select) for more than 2 seconds.

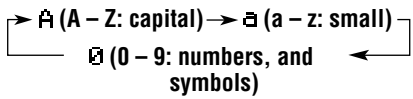
The next-step-operation buttons start flashing.



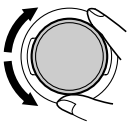
Ex.: When you select CD as the source

3 Select the character set you want while the first character position is flashing.

Each time you press the button, the character set changes as follows:

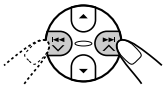


4 Select a character.



- About the available characters, see page 55.

5 Move the cursor to the next (or previous) character position.



6 Repeat steps *3* to *5* until you finish entering the name.

7 Finish the procedure while the last selected character is flashing.

To erase the input characters

To erase all the characters at a time, press and hold D DISP for more than 1 second as described in the procedure above.

Notes:

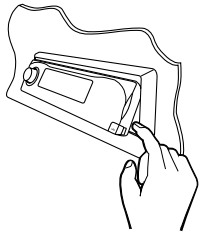
- *When you try to assign a name to a 41st disc or to a 31st station frequency, "Name Full" appears and you cannot enter the text entry mode. In this case, delete unwanted names before assignment.*
- *When the CD changer is connected, you can assign names to CDs in the CD changer. These names can also be shown on the display if you insert the CDs in this unit.*

Changing the control panel angle

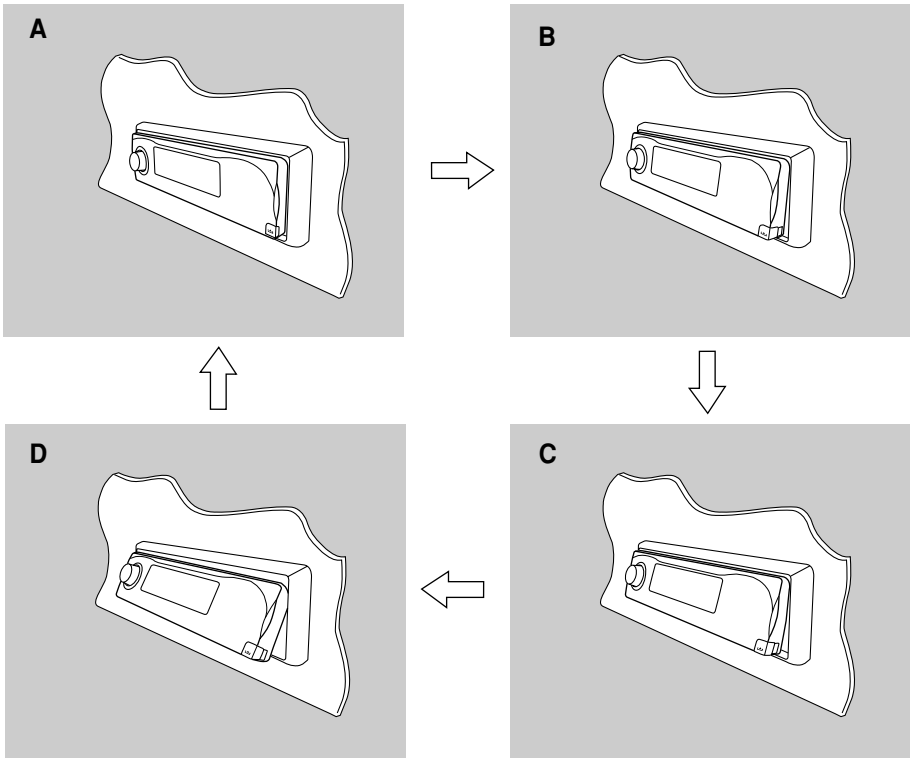
You can change the angle of the control panel to four positions.

Press ANGLE repeatedly to adjust the angle of the control panel to the position you want.

CAUTION:
NEVER insert your finger in between the control panel and the unit, as it may get caught or hurt.



The control panel angles changes as follows:



Note:

If you turn the power off, the control panel automatically returns to the closed position. Next time you turn on the power, the control panel moves to its previous position.

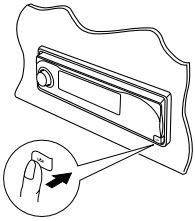
Detaching the control panel

You can detach the control panel when leaving the car.
When detaching or attaching the control panel, be careful not to damage the connectors on the back of the control panel and on the panel holder.

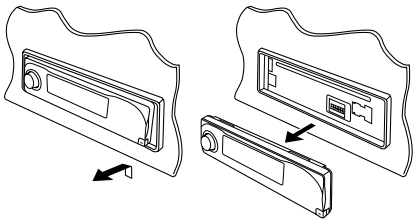
Detaching the control panel

Before detaching the control panel, be sure to turn off the power.

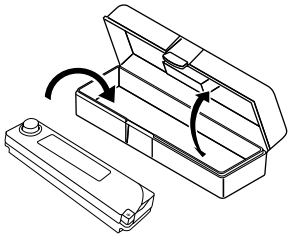
1 Unlock the control panel.



2 Lift and pull the control panel out of the unit.

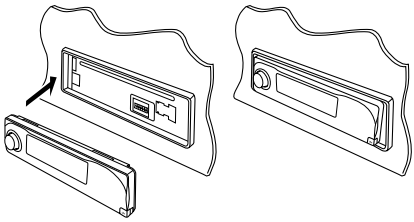


3 Put the detached control panel into the provided case.

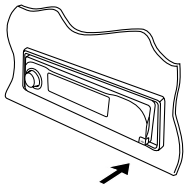


Attaching the control panel

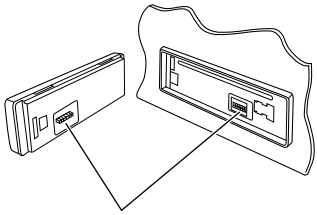
1 Insert the left side of the control panel into the groove on the panel holder.



2 Press the right side of the control panel to fix it to the panel holder.

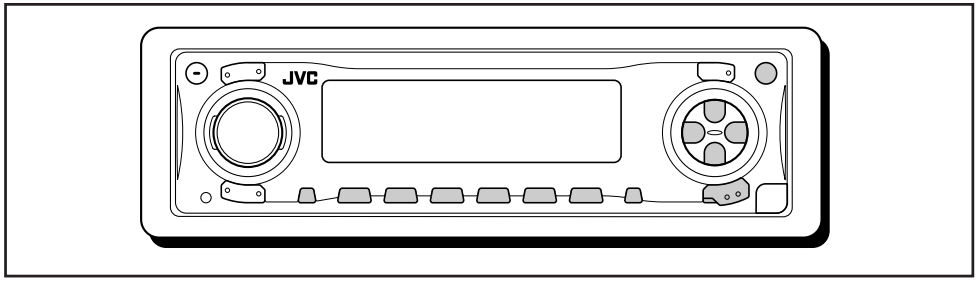


Note on cleaning the connectors:
If you frequently detach the control panel, the connectors will deteriorate.
To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.



Connectors

CD CHANGER OPERATIONS



We recommend that you use the JVC MP3-compatible CD changer with your unit.

By using this CD changer, you can play back your original CD-Rs (Recordable) and CD-RWs (Rewritable) recorded either in audio CD format or in MP3 format.

- You can also connect other CH-X series CD changers (except CH-X99 and CH-X100). However, they are not compatible with MP3 discs, so you cannot play back MP3 discs.
- You cannot use the KD-MK series CD changers with this unit.

Before operating your CD changer:

- Refer also to the Instructions supplied with your CD changer.
- If no discs are in the magazine of the CD changer or the discs are inserted upside down, “No Disc” will flash on the display. If this happens, remove the magazine and set the discs correctly.
- If no magazine is loaded in the CD changer, “No Magazine” flashes on the display. If this happens, insert the magazine in the CD changer.
- If “Reset 01” – “Reset 08” flashes on the display, something is wrong with the connection between this unit and the CD changer. If this happens, check the connection and make sure the cords are connected firmly. Then, press the reset button of the CD changer.

Playing discs

Select the CD changer (CD-CH).

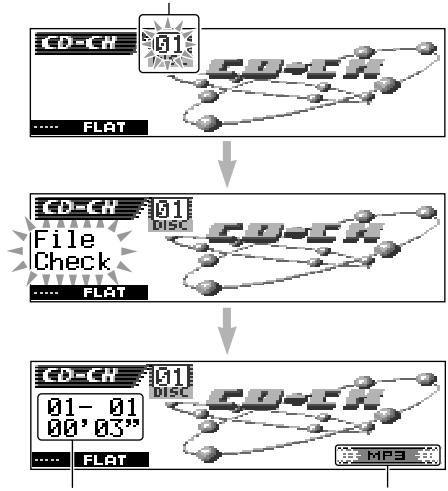
(For KD-AR3000)

(For KD-LH300)

Each time you press the button, the source changes as described on page 7.

- **When the current disc is an MP3 disc:** Playback starts from the first folder of the current disc once file check is completed.

Selected disc number

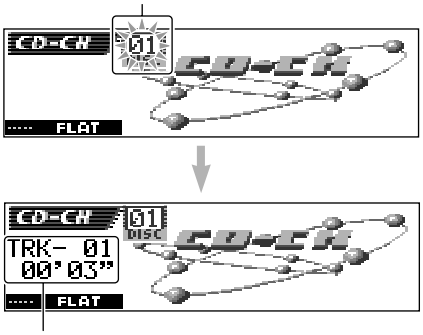


Current folder/track and elapsed playing time

MP3 indicator

- **When the current disc is a CD:**
  Playback starts from the first track of the current disc.

Selected disc number



Current track and elapsed playing time

Notes:

- *When you press CD/CD-CH LINE (for KD-AR3000) or CD/CD-CH (for KD-LH300), the power automatically comes on. You do not have to press* ⏻/I ATT *to turn on the power.*
- *If you change the source, CD changer play also stops. Next time you select "CD-CH" as the source, disc play starts from where playback has been stopped previously.*

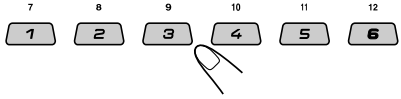
To change the display pattern

By pressing D DISP, you can change the information shown on the display.

Each time you press the button, the display patterns change.
• For details, see page 23.

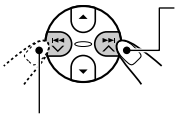
To go to a particular disc directly

Press the number button corresponding to the disc number to start its playback (while the CD changer is playing).



- To select a disc number from 01 – 06:
  Press 1 (7) – 6 (12) briefly.
- To select a disc number from 07 – 12:
  Press and hold 1 (7) – 6 (12) for more than one second.

To fast-forward or reverse the track



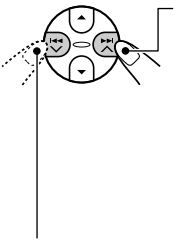
Press and hold ⏭ ∧, during play, to fast-forward the track.

Press and hold ⏮ ∨, during play, to reverse the track.

Note:

During this operation on an MP3 disc, you can only hear intermittent sounds. (The elapsed playing time also changes intermittently on the display.)

To go to the next or previous tracks



Press ⏭ ∧ briefly during play, to skip ahead to the beginning of the next track. Each time you press the button consecutively, the beginning of the next tracks is located and played back.

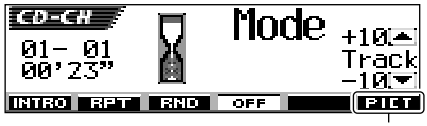
Press ⏮ ∨ briefly during play, to skip back to the beginning of the current track.
Each time you press the button consecutively, the beginning of the previous tracks is located and played back.

This operation is only possible when using JVC MP3-compatible CD changer (CH-X1500).

To go to a track quickly

1 Press M MODE while playing a disc.

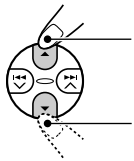
"Mode" appears on the display. The next-step-operation buttons start flashing.



See page 30 for this function.

Ex.: When the current disc is an MP3 disc

2 Press ▲ (up) or ▼ (down) while "Mode" is still on the display.



To skip 10 tracks* forwards to the last track

To skip 10 tracks* backwards to the first track

* First time you press ▲ (up) or ▼ (down) button, the track skips to the nearest higher or lower track with a track number of multiple ten (ex. 10th, 20th, 30th).

Then each time you press the button, you can skip 10 tracks (see "How to go to the desired track quickly" on the right column).

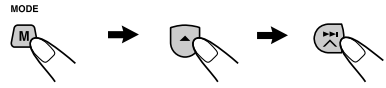
- After the last track, the first track will be selected, and vice versa.

Note:

If the current playing disc is an MP3 disc, tracks are skipped within the same folder.

How to go to the desired track quickly

- Ex. 1: To select track number 32 while playing track number 6



(Three times) (Twice)

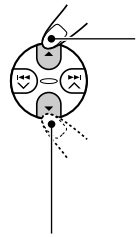
Track 6 ➡ 10 ➡ 20 ➡ 30 ➡ 31 ➡ 32

- Ex. 2 : To select track number 8 while playing track number 36

(Three times) (Twice)

Track 36 ➡ 30 ➡ 20 ➡ 10 ➡ 9 ➡ 8

To skip to the next or previous folder (Only for MP3 discs)



Press ▲ (up) while playing an MP3 disc, to go to the next folder. Each time you press the button consecutively, the next folder is located, and the first track in the folder starts playback.

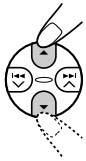
Press ▼ (down) while playing an MP3 disc, to go to the previous folder.

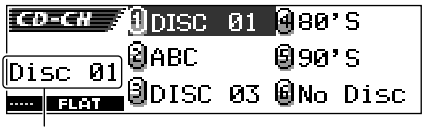
Each time you press the button consecutively, the previous folder is located, and the first track in the folder starts playback.

Selecting a disc/folder/track using the name lists

If you forget what discs are loaded in the CD changer, you can show the disc name list and select a disc in the list shown on the display.
• The display can show only six names at a time.

1 While playing a disc, press and hold ▲ (up) or ▼ (down) until a disc name list appears on the display.

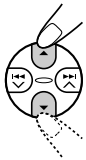




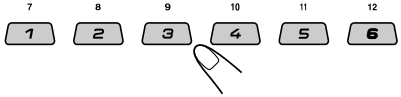
Selected disc number

Note:
If a disc has a disc title (CD Text) or an assigned disc name, it will be shown on the display. However, if the disc has not been played before, its disc number will appear.

2 Press ▲ (up) or ▼ (down) to show the other disc name list, if necessary.



3 Select the number (1 – 6) for the disc you want to play.



While playing an MP3 disc, you can also show the folder name list(s) and track name list(s) on the display, then select a folder or track.

1 While playing an MP3 disc, press and hold ▲ (up) or ▼ (down) until a disc name list appears on the display.

2 Press ►►I ^ or I◄◄ v to show a folder name list of the current disc or track name list of the current folder.
Each time you press the button, the lists on the display change as follows:

Current folder number

Ex.: When folder name list is selected

Current track number

Ex.: When track name list is selected

Note:
The display can shows only six items at a time. You can show the other names on the next lists by pressing ▲ (up) or ▼ (down).

3 Press the number button for the disc, folder, or track you want to play.

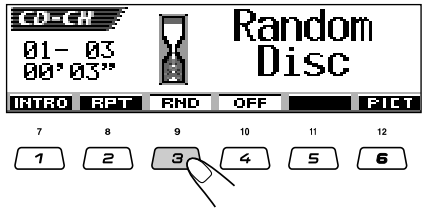
Selecting the playback modes

To play back tracks at random (Random Play)

1 Press M MODE during play.

"Mode" appears on the display. The next-step-operation buttons start flashing.

2 Press number button 3 repeatedly while "Mode" is still on the display.



Ex.: When you select "Random Disc" while playing an MP3 disc

Each time you press the button, random play mode changes as follows:

For MP3 discs:

Random Folder → Random Disc → Random All → Random Off → Random Folder

For CDs:

Random Disc → Random All → Random Off → Random Disc

Mode	Active indicator	Plays at random
Random Folder*	RND (folder random) indicator lights up.	All tracks of the current folder, then tracks of the next folder and so on.
Random Disc	RND (disc random) indicator lights up.	All tracks of the current (or specified) disc.
Random All	ALL RND (all random) indicator lights up.	All tracks of all discs inserted in the magazine.

* *"Random Folder" is only applicable for MP3 disc.*

Note:

MP3 indicator also lights up if the current playing disc is an MP3 disc.

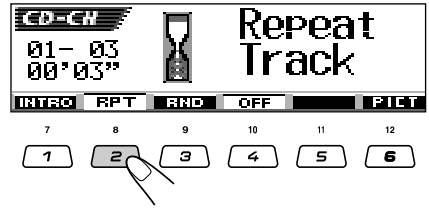
To cancel random play, select "Random Off" by pressing number button 3 repeatedly or press number button 4 in step **2**.

To play back tracks repeatedly (Repeat Play)

1 Press M MODE during play.

"Mode" appears on the display. The next-step-operation buttons start flashing.

2 Press number button 2 repeatedly while "Mode" is still on the display.



Ex.: When you select "Repeat Track" while playing an MP3 disc

Each time you press the button, repeat play mode changes as follows:

For MP3 discs:

Repeat Track → Repeat Folder → Repeat Off → Repeat Disc → Repeat Track

For CDs:

Repeat Track → Repeat Disc → Repeat Off → Repeat Track

Mode	Active indicator	Plays repeatedly
Repeat Track	♪ RPT (track repeat) indicator lights up.	The current (or specified) track.
Repeat Folder*	🗀 RPT (folder repeat) indicator lights up.	All tracks of the current (or specified) folder of the current disc.
Repeat Disc	💿 RPT (disc repeat) indicator lights up.	All tracks of the current (or specified) disc.

* *"Repeat Folder" is only applicable for MP3 disc.*

Note:
MP3 indicator also lights up if the current playing disc is an MP3 disc.

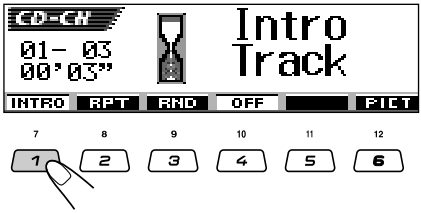
To cancel repeat play, select "Repeat Off" by pressing number button 2 repeatedly or press number button 4 in step **2**.

To play back only intros (Intro Scan)

1 Press M MODE during play.

"Mode" appears on the display. The next-step-operation buttons start flashing.

2 Press number button 1 repeatedly while "Mode" is still on the display.



Ex.: When you select "Intro Track" while playing an MP3 disc

Each time you press the button, intro scan mode changes as follows:

For MP3 discs:

Intro Track → Intro Folder → Intro Disc → Intro Off → (back to Intro Track)

For CDs:

Intro Track → Intro Disc → Intro Off → (back to Intro Track)

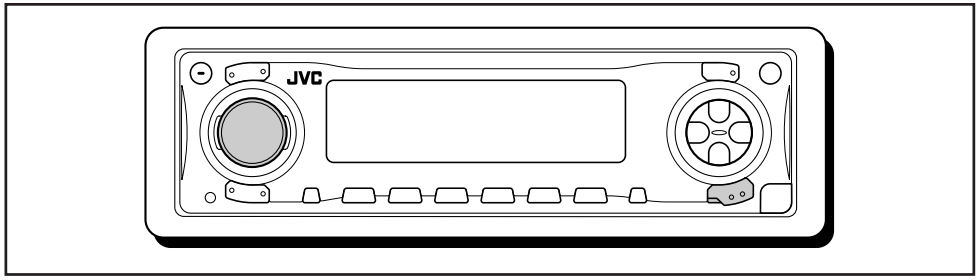
Mode	Active indicator	Plays the beginnings (15 seconds) of
Intro Track	♪ INT (track intro) indicator lights up.	All tracks of the current disc.
Intro Folder*	🗀 INT (folder intro) indicator lights up.	The first track of every folder of the current disc.
Intro Disc	💿 INT (disc intro) indicator lights up.	The first tracks of the inserted discs.

* *"Intro Folder" is only applicable for MP3 disc.*

Note:
MP3 indicator also lights up if the current playing disc is an MP3 disc.

To cancel intro scan, select "Intro Off" by pressing number button 1 repeatedly or press number button 4 in step **2**.

EXTERNAL COMPONENT OPERATIONS



Playing an external component

For KD-AR3000:
You can connect an external components to the LINE IN plugs on the rear.
- You can also connect the SIRIUS tuner to the CD changer jack on the rear and select it as the external component.

For KD-LH300:
You can connect the external component to the CD changer jack on the rear using the adapter specially designed for the external component.

- Before operating the external component, select the "Ext Input" setting correctly (see page 39).
- To use the JVC SIRIUS Radio, refer to the SIRIUS Radio Setup Manual (separate volume).

1 Select the external component (LINE-IN/SIRIUS).

(For KD-AR3000)

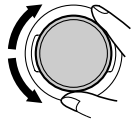
(For KD-LH300)

Each time you press the button, the source changes as described on page 7.

Note on One-Touch Operation:
When you press CD/CD-CH LINE (for KD-AR3000) or CD/CD-CH (for KD-LH300), the power automatically comes on. You do not have to press ⏻/I ATT *to turn on the power.*

2 Turn on the connected component and start playing the source.

3 Adjust the volume.



4 Adjust the sound as you want. (See pages 24 – 27.)

TROUBLESHOOTING

What appears to be trouble is not always serious. Check the following points before calling a service center.

	Symptoms	Causes	Remedies
General	• Sound cannot be heard from the speakers.	The volume level is set to the minimum level.	Adjust it to the optimum level.
		Connections are incorrect.	Check the cords and connections.
	• This unit does not work at all.	The built-in microcomputer may have functioned incorrectly due to noise, etc.	Press the reset button on the control panel. (The clock setting and preset stations stored in memory are erased.) (See page 2.)
	• "Panel Connect Error" appears on the display.	The control panel is not attach correctly and firmly.	Remove the control panel, wipe the connectors, then attach it again. (See page 45.)
FM/AM	• SSM (Strong-station Sequential Memory) automatic preset does not work.	Signals are too weak.	Store stations manually.
	• Static noise while listening to the radio.	The antenna is not connected firmly.	Connect the antenna firmly.
Disc Playback	• Disc cannot be played back.	Disc is inserted upside down.	Insert the disc correctly.
	• CD-R/CD-RW cannot be played back. • Tracks on the CD-R/ CD-RW cannot be skipped.	CD-R/CD-RW is not finalized.	• Insert a finalized CD-R/CD-RW. • Finalize the CD-R/CD-RW with the component which you used for recording.
	• Disc cannot be ejected.	Disc is locked.	Unlock the disc. (See page 22.)
	• Disc cannot be recognized ("No Disc," "Loading Error," or "Eject Error" flashes on the display.)	The CD player may function incorrectly.	While pressing ⏻/I ATT (standby/on attenuator), press and hold ⏏ (eject) for more than 2 seconds to eject the disc.
	• Disc sound is sometimes interrupted.	You are driving on rough roads.	Stop playback while driving on rough roads.
		Disc is scratched.	Change the disc.
		Connections are incorrect.	Check the cords and connections.
	• "No Disc" flashes on the display.	No disc in the loading slot.	Insert a disc into the loading slot.
		Disc is inserted incorrectly.	Insert the disc correctly.

	Symptoms	Causes	Remedies
MP3/WMA Playback	• Disc cannot be played back.	No MP3/WMA tracks are recorded on the disc.	Change the disc.
		MP3/WMA tracks do not have the extension code <.mp3> or <.wma> in their track names.	Add the extension code <.mp3> or <.wma> to their track names.
		MP3/WMA tracks are not recorded in the format compliant with ISO 9660 Level 1, Level 2, Romeo, or Joliet.	Change the disc. (Record MP3/WMA tracks using a compliant application.)
	• "Not Support" appears and tracks skip.	Tracks are not encoded in an appropriate format.	Insert a disc that contains tracks encoded in an appropriate format.
		WMA tracks are copy-protected.	This is normal. Copy-protected tracks cannot be played back.
	• Noise is generated.	The track played back is not an MP3/WMA track (although it has the extension code <.mp3> or <.wma>).	Skip to another track or change the disc. (Do not add the extension code <.mp3> or <.wma> to non-MP3/WMA tracks.)
	• A longer readout time is required ("File Check" keeps flashing on the display).	Readout time varies due to the complexity of the folder/ track configuration.	Do not use too many hierarchies and folders.
	• Tracks cannot be played back as you have intended them to play.	Playback order is determined when the tracks are recorded.	———
	• Elapsed playing time is not correct.	This sometimes occurs during play. This is caused by how the tracks are recorded on the disc.	———
	• "No Files" flashes on the display.	The current disc does not contain any MP3/WMA track.	Insert a disc that contains MP3/ WMA tracks.
	• "No Music" appears on the display.	The current folder does not contain any MP3/WMA track.	Select another folder that contains MP3/WMA tracks.
		Only <jml> and/or <jma> files are recorded on the disc.	Insert a disc that contains MP3/ WMA tracks.
	• Correct characters are not displayed (e.g. album name).	This unit can only display alphabets (capital: A–Z, small: a – z), numbers, and a limited number of symbols.	———

Symptoms	Causes	Remedies	
• Download does not seem to finish.	You are trying to download an animation of many frames.	This is normal (see page 30).	Graphics
• Animation does not move.	Temperature in the car compartment is very low—LOW TEMP. (LOW TEMP.) indicator appears.	Wait until the operating temperature resumes—until LOW TEMP. (LOW TEMP.) indicator goes off.	
• "Movie" category settings in the PSM do not take effect.			
• "No Disc" flashes on the display.	No disc is in the magazine.	Insert discs into the magazine.	CD Changer
	Discs are inserted upside down.	Insert discs correctly.	
• "No Magazine" flashes on the display.	No magazine is loaded in the CD changer.	Insert the magazine.	
• "Reset 08" flashes on the display.	This unit is not connected to the CD changer correctly.	Connect this unit and the CD changer correctly and press the reset button of the CD changer.	
• "Reset 01" – "Reset 07" flashes on the display.	———	Press the reset button of the CD changer.	
• The CD changer does not work at all.	The built-in microcomputer may function incorrectly due to noise, etc.	Press the reset button on the control panel. (The clock setting and preset stations stored in memory are erased.) (See page 2.)	

Available characters

You can use the following characters to assign names to stations, CDs, and external component (Line Input). (See page 43.)

- These characters can be also used to show other information such as disc title/performer on the display.

Capital letters

A	B	C	D	E
F	G	H	I	J
K	L	M	N	O
P	Q	R	S	T
U	V	W	X	Y
Z	space			

Small letters

a	b	c	d	e
f	g	h	i	j
k	l	m	n	o
p	q	r	s	t
u	v	w	x	y
z	space			

Numbers and symbols

0	1	2	3	4
5	6	7	8	9
!	”	#	$	%
&	’	(	)	*
+	,	–	.	/
:	;	<	=	>
?	@	_	`	space

ENGLISH

Handling discs

This unit has been designed to reproduce CDs, CD-Rs (Recordable), CD-RWs (Rewritable), and CD Texts.

- **This unit is also compatible with MP3 and WMA discs.**

How to handle discs

When removing a disc from its case, press down the center holder of the case and lift the disc out, holding it by the edges.

- Always hold the disc by the edges. Do not touch its recording surface.

When storing a disc into its case, gently insert the disc around the center holder (with the printed surface facing up).

- Make sure to store discs into the cases after use.

To keep discs clean

A dirty disc may not be played correctly. If a disc does become dirty, wipe it with a soft cloth in a straight line from center to edge.

To play new discs

New discs may have some rough spots around the inner and outer edges. If such a disc is used, this unit may reject the disc.
To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.

Moisture condensation

Moisture may condense on the lens inside the CD player in the following cases:

- After starting the heater in the car.
- If it becomes very humid inside the car.

Should this occur, the CD player may malfunction. In this case, eject the disc and leave the unit turned on for a few hours until the moisture evaporates.

When playing a CD-R or CD-RW

Before playing back CD-Rs or CD-RWs, read their instructions or cautions carefully.

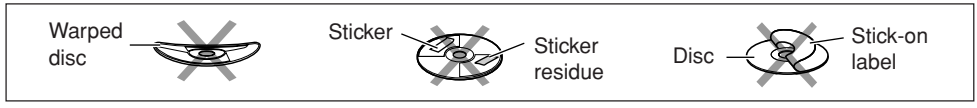
- Use only “finalized” CD-Rs or CD-RWs.
- Some CD-Rs or CD-RWs may not be played back on this unit because of their disc characteristics, and for the following reasons:
  – Discs are dirty or scratched.
  – Moisture condensation on the lens inside the unit.
  – The pickup lens inside the unit is dirty.
- CD-RWs may require a longer readout time since the reflectance of CD-RWs is lower than that of regular CDs.
- CD-Rs or CD-RWs are susceptible to high temperatures or high humidity, so do not leave them inside your car.
- Do not use following CD-Rs or CD-RWs:
  – Discs with stickers, labels, or protective seal stuck to the surface.
  – Discs on which labels can be directly printed by an ink jet printer.

  Using these discs under high temperatures or high humidity may cause malfunctions or damage to discs. For example,
  – Stickers or labels may shrink and warp a disc.
  – Stickers or labels may be peeled off so discs cannot be ejected.
  – Print on discs may get sticky.

  Read instructions or cautions about labels and printable discs carefully.

CAUTIONS:

- *Do not insert 8 cm (3-3/16") discs (single CDs) into the loading slot. (Such discs cannot be ejected.)*
- *Do not insert any disc of unusual shape—like a heart or flower; otherwise, it will cause a malfunction.*
- *Do not expose discs to direct sunlight or any heat source or place them in a place subject to high temperature and humidity. Do not leave them in a car.*
- *Do not use any solvent (for example, conventional record cleaner, spray, thinner, benzine, etc.) to clean discs.*



AUDIO AMPLIFIER SECTION

Maximum Power Output:
- Front: 50 W per channel
- Rear: 50 W per channel

Continuous Power Output (RMS):
- Front: 19 W per channel into 4 Ω, 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.
- Rear: 19 W per channel into 4 Ω, 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.

Load Impedance: 4 Ω (4 Ω to 8 Ω allowance)
Equalizer Control Range:
- Frequencies: 60 Hz, 150 Hz, 400 Hz, 1 kHz, 2.4 kHz, 6 kHz, 12 kHz
- Level: ±10 dB

Frequency Response: 40 Hz to 20 000 Hz
Signal-to-Noise Ratio: 70 dB
Line-In Level/Impedance:
- KD-AR3000: 1.5 V/20 kΩ load

Line-Out Level/Impedance:
- KD-AR3000: 5.0 V/20 kΩ load (full scale)
- KD-LH300: 4.0 V/20 kΩ load (full scale)

Output Impedance: 1 kΩ
Subwoofer-Out Level/Impedance:
- 2.0 V/20 kΩ load (full scale)

TUNER SECTION

Frequency Range:
- FM: 87.5 MHz to 107.9 MHz
- AM: 530 kHz to 1 710 kHz

[FM Tuner]
Usable Sensitivity: 11.3 dBf (1.0 μV/75 Ω)
50 dB Quieting Sensitivity: 16.3 dBf (1.8 μV/75 Ω)
Alternate Channel Selectivity (400 kHz): 65 dB
Frequency Response: 40 Hz to 15 000 Hz
Stereo Separation: 35 dB
Capture Ratio: 1.5 dB

[AM Tuner]
Sensitivity: 20 μV
Selectivity: 35 dB

CD PLAYER SECTION

Type: Compact disc player
Signal Detection System: Non-contact optical pickup (semiconductor laser)
Number of channels: 2 channels (stereo)
Frequency Response: 5 Hz to 20 000 Hz
Dynamic Range: 96 dB
Signal-to-Noise Ratio: 98 dB
Wow and Flutter: Less than measurable limit
MP3 decoding format:
- MPEG 1/2 Audio Layer 3
- Max. Bit Rate: 320 Kbps

WMA (Windows Media® Audio) decoding format:
- Max. Bit Rate: 192 Kbps

GENERAL

Power Requirement:
- Operating Voltage:
  - DC 14.4 V (11 V to 16 V allowance)

Grounding System: Negative ground
Allowable Operating Temperature:
- 0°C to +40°C (32°F to 104°F)

Dimensions (W × H × D):
- Installation Size (approx.):
  - 182 mm × 52 mm × 159 mm (7-3/16" × 2-1/16" × 6-5/16")
- Panel Size (approx.):
  - 188 mm × 58 mm × 12 mm (7-7/16" × 2-5/16" × 1/2")
- Mass (approx.):
  - 1.6 kg (3.5 lbs) (excluding accessories)

Design and specifications are subject to change without notice.

If a kit is necessary for your car, consult your telephone folder for the nearest car audio speciality shop.

JVC

MOBILE ENTERTAINMENT

http://www.jvcmobile.com

Visit us on-line for

Technical Support & Customer Satisfaction Survey.

US RESIDENTS ONLY

Having TROUBLE with operation?
Please reset your unit

Refer to page of How to Reset

Still having trouble??

USA ONLY

Call 1-800-252-5722

http://www.jvc.com

We can help you!

JVC

VICTOR COMPANY OF JAPAN, LIMITED

EN, SP, FR

1103KKSMDTJEIN

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KD-AR3000/KD-LH300

Installation/Connection Manual
Manual de instalación/conexión
Manuel d'installation/raccordement

GET0201-002A
[J]

1103KKSMDTJEIN
EN, SP, FR

ENGLISH

This unit is designed to operate on **12 V DC, NEGATIVE ground electrical systems**. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC car audio dealers.

ESPAÑOL

Esta unidad está diseñada para funcionar con **12 V de CC, con sistemas eléctricos de masa NEGATIVA**. Si su vehículo no posee este sistema, será necesario un inversor de tensión, que puede ser adquirido en los concesionarios de JVC de equipos de audio para automóviles.

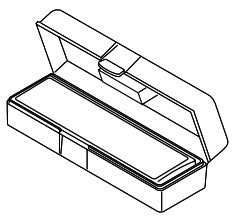
FRANÇAIS

Cet appareil est conçu pour fonctionner sur des sources de courant continu de **12 V à masse NEGATIVE**. *Si votre véhicule n'offre pas ce type d'alimentation, il vous faut un convertisseur de tension, que vous pouvez acheter chez un revendeur d'autoradios JVC.*

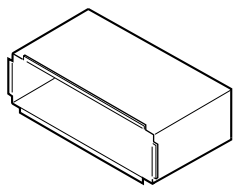
Parts list for installation and connection

The following parts are provided with this unit.
After checking them, please set them correctly.

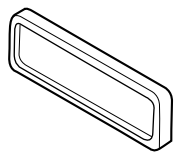
Ⓐ / Ⓑ
Hard case/Control panel
Estuche duro/Panel de control
Etui de transport/Panneau de commande



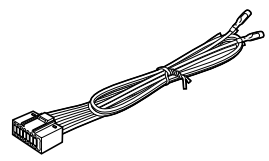
Ⓒ
Sleeve
Cubierta
Manchon



Ⓓ
Trim plate
Placa de guarnición
Plaque d'assemblage



Ⓔ
Power cord
Cordón de alimentación
Cordon d'alimentation



Ⓕ
Remote controller
Control remoto
Télécommande

Ⓖ
Battery
Pila
Pile

CR2025

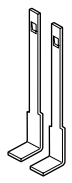
Ⓗ
Washer (ø5)
Arandela (ø5)
Rondelle (ø5)

Ⓘ
Lock nut (M5)
Tuerca de seguridad (M5)
Ecrou d'arrêt (M5)

Ⓙ
Mounting bolt—M5 x 20 mm (M5 x 13/16")
Perno de montaje—M5 x 20 mm (M5 x 13/16 pulgada)
Boulon de montage—M5 x 20 mm (M5 x 13/16 pouces)

Ⓚ
Rubber cushion
Cojín de goma
Amortisseur en caoutchouc

Ⓛ
Handles
Manijas
Poignées



Ⓜ
CD-ROM (Image Converter)
CD-ROM (Image Converter)
CD-ROM (Image Converter)

INSTALLATION (IN-DASH MOUNTING)

The following illustration shows a typical installation. If you have any questions or require information regarding installation kits, consult your JVC car audio dealer or a company supplying kits.
- If you are not sure how to install this unit correctly, have it installed by a qualified technician.

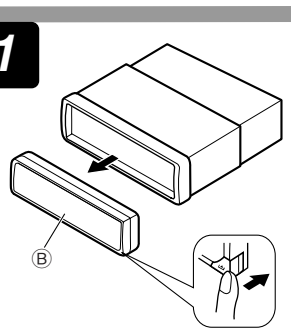
INSTALACION (MONTAJE EN EL TABLERO DE INSTRUMENTOS)

La siguiente ilustración muestra una instalación típica. Si tiene alguna pregunta o necesita información acerca de las herramientas para instalación, consulte con su concesionario de JVC de equipos de audio para automóviles o a una compañía que suministra tales herramientas.
- Si usted no está seguro de cómo instalar correctamente la unidad, hágala instalar por un técnico cualificado.

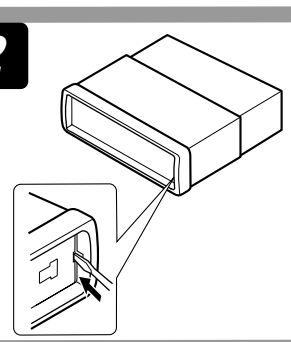
INSTALLATION (MONTAGE DANS LE TABLEAU DE BORD)

L'illustration suivante est un exemple d'installation typique. Si vous avez des questions ou avez besoin d'information sur des kits d'installation, consulter votre revendeur d'autoradios JVC ou une compagnie d'approvisionnement.
- *Si l'on n'est pas sûr de pouvoir installer correctement cet appareil, le faire installer par un technicien qualifié.*

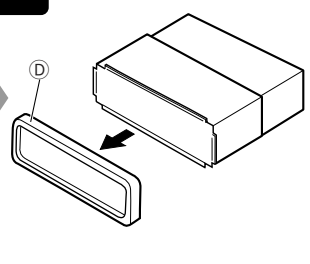
1



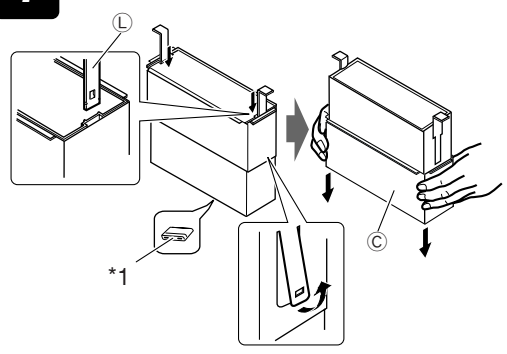
2



3

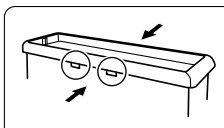


4



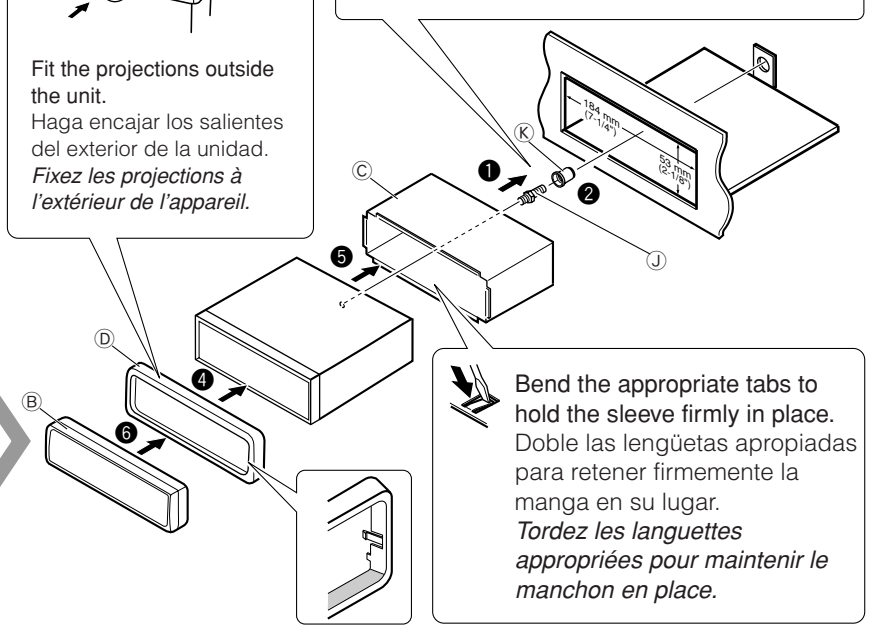
*1 When you stand the unit, be careful not to damage the fuse on the rear.
*1 Al poner la unidad vertical, tenga cuidado de no dañar el fusible provisto en la parte posterior.
*1 *Lorsque vous mettez l'appareil à la verticale, faire attention de ne pas endommager le fusible situé sur l'arrière.*

5



Fit the projections outside the unit.
Haga encajar los salientes del exterior de la unidad.
Fixez les projections à l'extérieur de l'appareil.

❸ Do the required electrical connections.
Realice las conexiones eléctricas requeridas.
Réalisez les connexions électriques.



Bend the appropriate tabs to hold the sleeve firmly in place.
Doble las lengüetas apropiadas para retener firmemente la manga en su lugar.
Tordez les languettes appropriées pour maintenir le manchon en place.

Removing the unit

Before removing the unit, release the rear section.

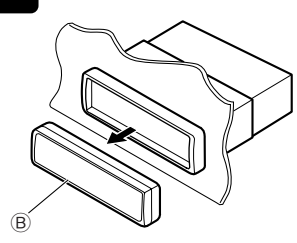
Extracción de la unidad

Antes de extraer la unidad, libere la sección trasera.

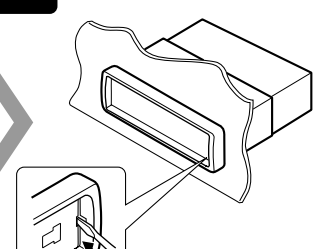
Retrait de l'appareil

Avant de retirer l'appareil, libérer la section arrière.

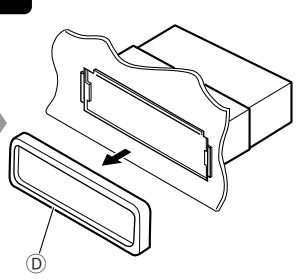
1



2

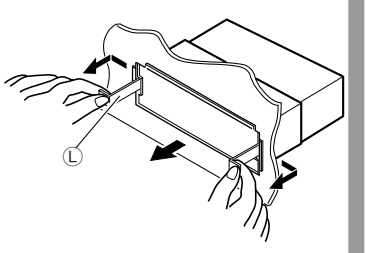


3

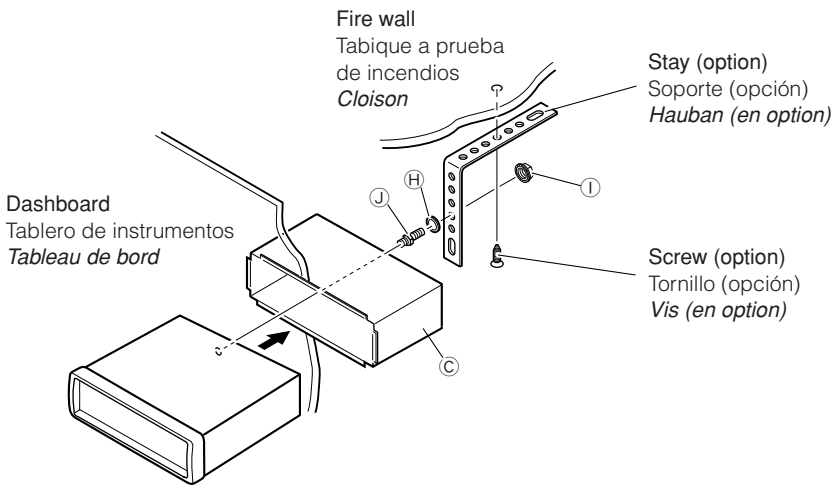


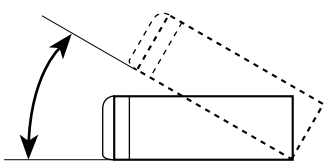
4

Insert the two handles, then pull them as illustrated so that the unit can be removed.
Inserte las dos manijas y, a continuación, extráigalas de la manera indicada en la ilustración para poder desmontar la unidad.
Insérez les deux poignées, puis tirez de la façon illustrée de façon à retirer l'appareil.



When using the optional stay / Cuando emplea un soporte opcional / Lors de l'utilisation du hauban en option

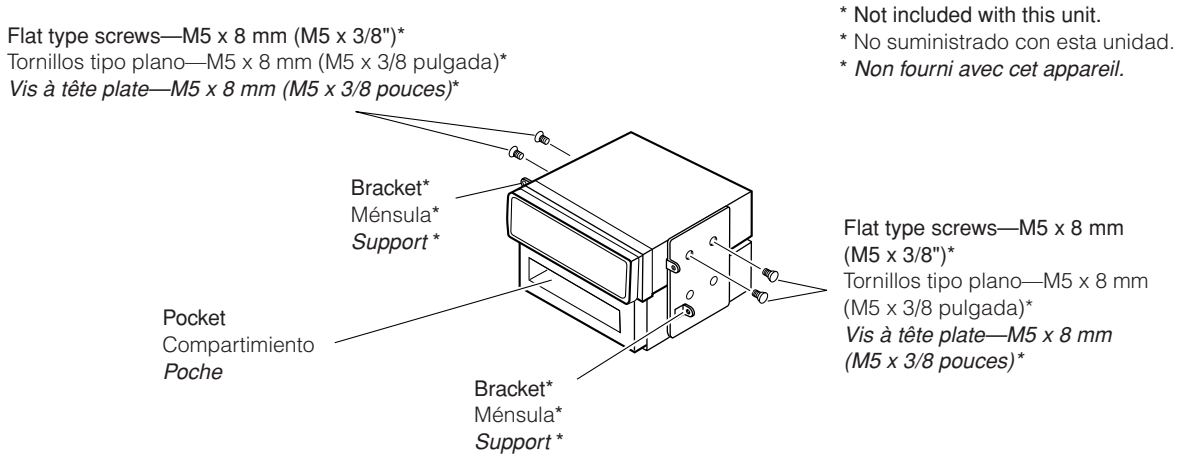




Install the unit at an angle of less than 30˚.
Instale la unidad a un ángulo de menos de 30˚
Installez l'appareil avec un angle de moins de 30˚.

When installing the unit without using the sleeve / Instalación de la unidad sin utilizar la cubierta / Lors de l'installation de l'appareil scans utiliser de manchon

In a Toyota for example, first remove the car radio and install the unit in its place.
En un Toyota por ejemplo, primero retire la radio del automóvil y luego instale la unidad en su lugar.
Par exemple dans une Toyota, retirer d'abord l'autoradio et installer l'appareil à la place.

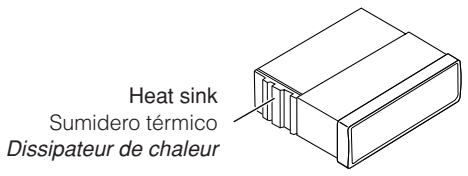

Flat type screws—M5 x 8 mm (M5 x 3/8")*
Tornillos tipo plano—M5 x 8 mm (M5 x 3/8 pulgada)*
Vis à tête plate—M5 x 8 mm (M5 x 3/8 pouces)*
* Not included with this unit.
* No suministrado con esta unidad.
* Non fourni avec cet appareil.
Bracket*
Ménsula*
Support *
Flat type screws—M5 x 8 mm (M5 x 3/8")*
Tornillos tipo plano—M5 x 8 mm (M5 x 3/8 pulgada)*
Vis à tête plate—M5 x 8 mm (M5 x 3/8 pouces)*
Pocket
Compartimiento
Poche
Bracket*
Ménsula*
Support *

Note : When installing the unit on the mounting bracket, make sure to use the 8 mm (3/8") -long screws. If longer screws are used, they could damage the unit.
Nota : Cuando instala la unidad en la ménsula de montaje, asegúrese de utilizar los tornillos de 8 mm (3/8 pulgada) de longitud. Si se utilizan tornillos más largos, éstos pueden dañar la unidad.
Remarque : *Lors de l'installation de l'appareil sur le support de montage, s'assurer d'utiliser des vis d'une longueur de 8 mm (3/8 pouces). Si des vis plus longues sont utilisées, elles peuvent endommager l'appareil.*

ELECTRICAL CONNECTIONS

To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the unit.
- **Be sure to ground this unit to the car's chassis again after installation.**

Notes:
- Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC car audio dealer.
- It is recommended to connect to the speakers with maximum power of more than 50 W (both at the rear and at the front, with an impedance of **4 Ω to 8 Ω**). If the maximum power is less than 50 W, change "AMP.GAIN" setting to prevent the speakers from being damaged (see page 39 of the INSTRUCTIONS).
- To prevent short-circuit, cover the terminals of the UNUSED leads with insulating tape.
- The heat sink becomes very hot after use. Be careful not to touch it when removing this unit.



CONEXIONES ELECTRICAS

Para evitar cortocircuitos, recomendamos que desconecte el terminal negativo de la batería y que efectúe todas las conexiones eléctricas antes de instalar la unidad.
- **Asegúrese de volver a conectar a masa esta unidad al chasis del automóvil después de la instalación.**

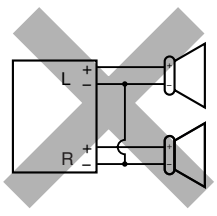
Notas:
- Reemplace el fusible por uno con la corriente especificada. Si el fusible se quemase frecuentemente consulte con su concesionario de JVC de equipos de audio para automóviles.
- Se recomienda conectar los altavoces con una potencia máxima de más de 50 W (tanto atrás como adelante, con una impedancia de **4 Ω a 8 Ω**). Si la potencia máxima es de menos de 50 W, cambie "AMP.GAIN" para evitar daños en los altavoces (consulte la página 39 del MANUAL DE INSTRUCCIONES).
- Para evitar cortocircuitos, cubra los cables NO UTILIZADOS con cinta aislante.
- El sumidero térmico estará muy caliente después del uso. Asegúrese de no tocarlo al desmontar esta unidad.

RACCORDEMENTS ELECTRIQUES

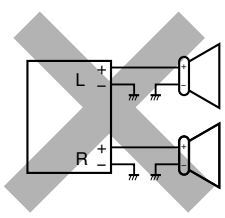
Pour éviter tout court-circuit, nous vous recommandons de débrancher la borne négative de la batterie et d'effectuer tous les raccordements électriques avant d'installer l'appareil.
- **Assurez-vous de raccorder de nouveau la mise à la masse de cet appareil au châssis de la voiture après l'installation.**

Remarques:
- *Remplacer le fusible par un de la valeur précisée. Si le fusible saute souvent, consulter votre revendeur d'autoradios JVC.*
- *Il est recommandé de connecter des enceintes avec une puissance de plus de 50 W (les enceintes arrière et les enceintes avant, avec une impédance comprise entre* **4 Ω et 8 Ω***). Si la puissance maximum est inférieure à 50 W, changez "AMP.GAIN" pour éviter d'endommager vos enceintes (voir page 39 du MANUEL D'INSTRUCTIONS).*
- *Pour éviter les court-circuits, couvrir les bornes des fils qui ne sont PAS UTILISÉS avec de la bande isolante.*
- *Le dissipateur de chaleur devient très chaud après usage. Faire attention de ne pas le toucher en retirant cet appareil.*

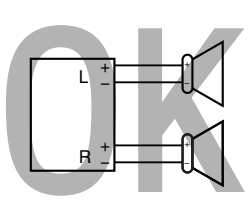
PRECAUTIONS on power supply and speaker connections:
- **DO NOT connect the speaker leads of the power cord to the car battery; otherwise, the unit will be seriously damaged.**
- BEFORE connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.



PRECAUCIONES sobre las conexiones de la fuente de alimentación y de los altavoces:
- **NO conecte los conductores de altavoz del cable de alimentación a la batería de automóvil, pues podrían producirse graves daños en la unidad.**
- ANTES de conectar a los altavoces los conductores de altavoz del cable de alimentación, verifique el conexionado de altavoz de su automóvil.



PRECAUTIONS sur l'alimentation et la connexion des enceintes:
- **NE CONNECTEZ PAS les fils d'enceintes du cordon d'alimentation à la batterie; sinon, l'appareil serait sérieusement endommagé.**
- *AVANT de connecter les fils d'enceintes du cordon d'alimentation aux enceintes, vérifiez le câblage des enceintes de votre voiture.*



TROUBLESHOOTING

- **The fuse blows.**
* Are the red and black leads connected correctly?
- **Power cannot be turned on.**
* Is the yellow lead connected?
- **No sound from the speakers.**
* Is the speaker output lead short-circuited?
- **Sound is distorted.**
* Is the speaker output lead grounded?
* Are the "–" terminals of L and R speakers grounded in common?
- **Noise interfere with sounds.**
* Is the rear ground terminal connected to the car's chassis using shorter and thicker cords?
- **Unit becomes hot.**
* Is the speaker output lead grounded?
* Are the "–" terminals of L and R speakers grounded in common?

LOCALIZACION DE AVERIAS

- **El fusible se quema.**
* ¿Están los conductores rojo y negro correctamente conectados?
- **No es posible conectar la alimentación.**
* ¿Está el cable amarillo conectado?
- **No sale sonido de los altavoces.**
* ¿Está el cable de salida del altavoz cortocircuitado?
- **El sonido presenta distorsión.**
* ¿Está el cable de salida del altavoz conectado a masa?
* ¿Están los terminales "–" de los altavoces L y R conectados a una masa común?
- **Perturbación de ruido.**
* ¿El terminal de tierra trasero está conectado al chasis del automóvil utilizando los cordones más corto y más grueso?
- **La unidad se calienta.**
* ¿Está el cable de salida del altavoz conectado a masa?
* ¿Están los terminales "–" de los altavoces L y R conectados a una masa común?

EN CAS DE DIFFICULTES

- **Le fusible saute.**
* *Les fils rouge et noir sont-ils racordés correctement?*
- **L'appareil ne peut pas être mise sous tension.**
* *Le fil jaune est-elle raccordée?*
- **Pas de son des enceintes.**
* *Le fil de sortie d'enceinte est-il court-circuité?*
- **Le son est déformé.**
* *Le fil de sortie d'enceinte est-il à la masse?*
* *Les bornes "–" des enceintes gauche et droit sont-elles mises ensemble à la masse?*
- **Interférence avec les sons.**
* *La prise arrière de mise à la terre est-elle connectée au châssis de la voiture avec un cordon court et épais?*
- **L'appareil devient chaud.**
* *Le fil de sortie d'enceinte est-il à la masse?*
* *Les bornes "–" des enceintes gauche et droit sont-elles mises ensemble à la masse?*

ENGLISH | ESPAÑOL | FRANÇAIS

A Typical Connections / Conexiones tipicas / Raccordements typiques

Before connecting: Check the wiring in the vehicle carefully. Incorrect connection may cause serious damage to this unit. The leads of the power cord and those of the connector from the car body may be different in color.

1 Connect the colored leads of the power cord in the order specified in the illustration below.

2 Connect the antenna cord.

3 Finally connect the wiring harness to the unit.

Antes de la conexión: Verifique atentamente el conexionado del vehículo. Una conexión incorrecta podría producir daños graves en la unidad.
Los cordones del cable de alimentación y los del conector procedentes de la carrocería del automóvil podrían ser de diferentes en color.

1 Conecte los conductores de color del cable de alimentación en el orden especificado en la ilustración de abajo.

2 Conecte el cable de antena.

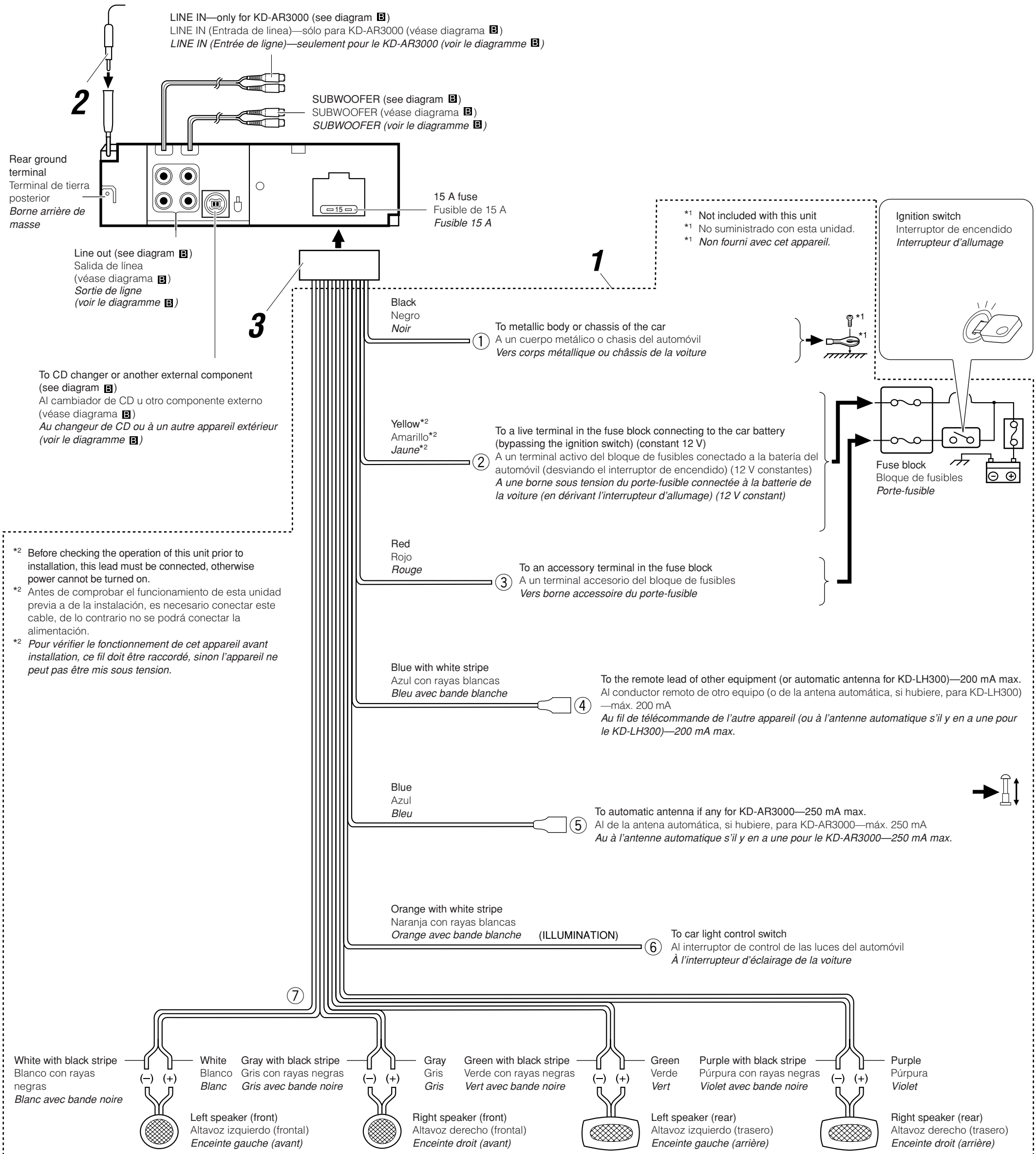
3 Por último, conecte el cable de alimentación a la unidad.

Avant de commencer la connexion: *Vérifiez attentivement le câblage du véhicule. Une connexion incorrecte peut endommager sérieusement l'appareil.*
Le fil du cordon d'alimentation et ceux des connecteurs du châssis de la voiture peuvent être différents en couleur.

1 *Connectez les fils colorés du cordon d'alimentation dans l'ordre spécifié sur l'illustration ci-dessous.*

2 *Connectez le cordon d'antenne.*

3 *Finalement, connectez le faisceau de fils à l'appareil.*


LINE IN—only for KD-AR3000 (see diagram B)
LINE IN (Entrada de linea)—sólo para KD-AR3000 (véase diagrama B)
LINE IN (Entrée de ligne)—seulement pour le KD-AR3000 (voir le diagramme B)
2
SUBWOOFER (see diagram B)
SUBWOOFER (véase diagrama B)
SUBWOOFER (voir le diagramme B)
Rear ground terminal
Terminal de tierra posterior
Borne arrière de masse
15 A fuse
Fusible de 15 A
Fusible 15 A
15
Line out (see diagram B)
Salida de línea (véase diagrama B)
Sortie de ligne (voir le diagramme B)
3
1
*1 Not included with this unit
*1 No suministrado con esta unidad.
*1 Non fourni avec cet appareil.
Ignition switch
Interruptor de encendido
Interrupteur d'allumage
To CD changer or another external component (see diagram B)
Al cambiador de CD u otro componente externo (véase diagrama B)
Au changeur de CD ou à un autre appareil extérieur (voir le diagramme B)
Black
Negro
Noir
1
To metallic body or chassis of the car
A un cuerpo metálico o chasis del automóvil
Vers corps métallique ou châssis de la voiture
Yellow*2
Amarillo*2
Jaune*2
2
To a live terminal in the fuse block connecting to the car battery (bypassing the ignition switch) (constant 12 V)
A un terminal activo del bloque de fusibles conectado a la batería del automóvil (desviando el interruptor de encendido) (12 V constantes)
A une borne sous tension du porte-fusible connectée à la batterie de la voiture (en dérivant l'interrupteur d'allumage) (12 V constant)
Fuse block
Bloque de fusibles
Porte-fusible
Red
Rojo
Rouge
3
To an accessory terminal in the fuse block
A un terminal accesorio del bloque de fusibles
Vers borne accessoire du porte-fusible
*2 Before checking the operation of this unit prior to installation, this lead must be connected, otherwise power cannot be turned on.
*2 Antes de comprobar el funcionamiento de esta unidad previa a de la instalación, es necesario conectar este cable, de lo contrario no se podrá conectar la alimentación.
*2 Pour vérifier le fonctionnement de cet appareil avant installation, ce fil doit être raccordé, sinon l'appareil ne peut pas être mis sous tension.
Blue with white stripe
Azul con rayas blancas
Bleu avec bande blanche
4
To the remote lead of other equipment (or automatic antenna for KD-LH300)—200 mA max.
Al conductor remoto de otro equipo (o de la antena automática, si hubiere, para KD-LH300)—máx. 200 mA
Au fil de télécommande de l'autre appareil (ou à l'antenne automatique s'il y en a une pour le KD-LH300)—200 mA max.
Blue
Azul
Bleu
5
To automatic antenna if any for KD-AR3000—250 mA max.
Al de la antena automática, si hubiere, para KD-AR3000—máx. 250 mA
Au à l'antenne automatique s'il y en a une pour le KD-AR3000—250 mA max.
Orange with white stripe
Naranja con rayas blancas
Orange avec bande blanche
(ILLUMINATION)
6
To car light control switch
Al interruptor de control de las luces del automóvil
À l'interrupteur d'éclairage de la voiture
7
White with black stripe
Blanco con rayas negras
Blanc avec bande noire
White
Blanco
Blanc
Gray with black stripe
Gris con rayas negras
Gris avec bande noire
Gray
Gris
Gris
Green with black stripe
Verde con rayas negras
Vert avec bande noire
Green
Verde
Vert
Purple with black stripe
Púrpura con rayas negras
Violet avec bande noire
Purple
Púrpura
Violet
(–) (+)
Left speaker (front)
Altavoz izquierdo (frontal)
Enceinte gauche (avant)
Right speaker (front)
Altavoz derecho (frontal)
Enceinte droit (avant)
Left speaker (rear)
Altavoz izquierdo (trasero)
Enceinte gauche (arrière)
Right speaker (rear)
Altavoz derecho (trasero)
Enceinte droit (arrière)

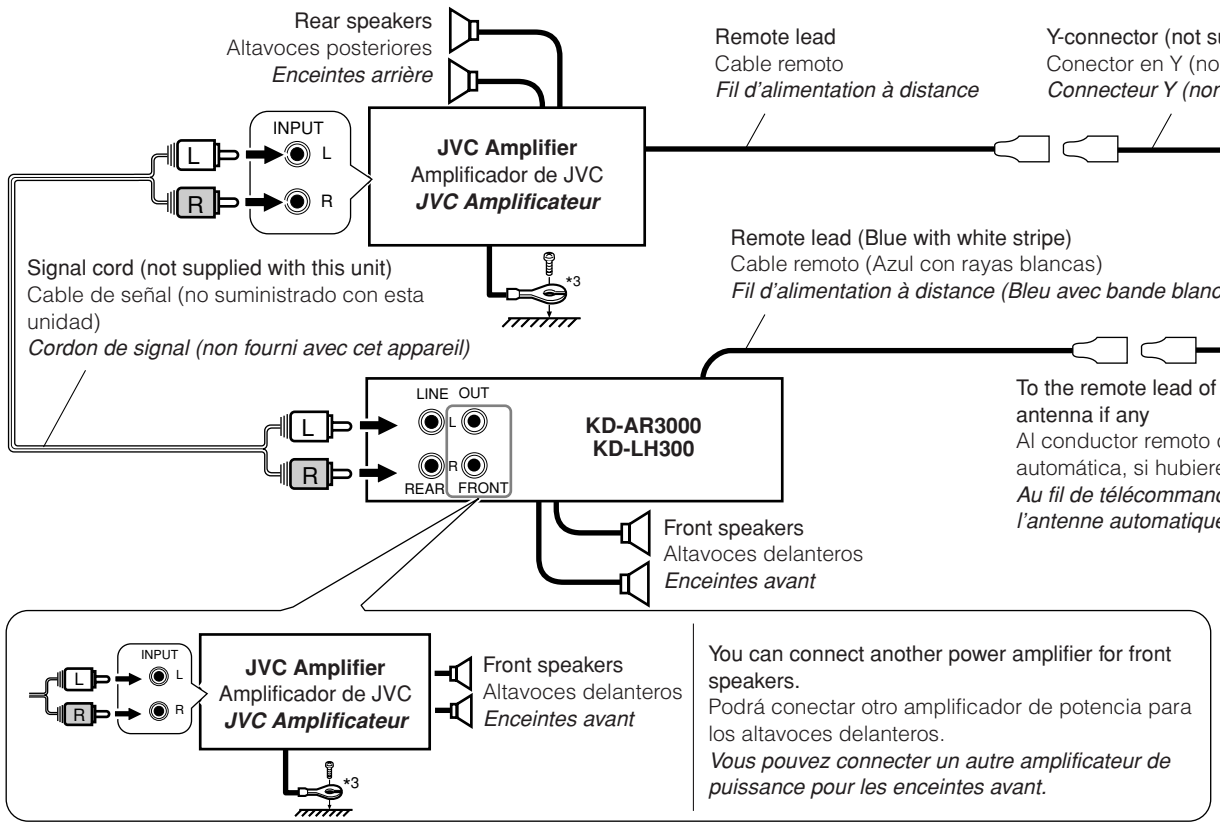
B Connections Adding Other Equipment / Conexiones para añadir otros equipos / Raccordement pour ajouter d'autres appareils

Amplifier / Amplificador / Amplificateur

You can connect an amplifier and other equipment to upgrade your car stereo system.
- Connect the remote lead (blue with white stripe) to the remote lead of the other equipment so that it can be controlled through this unit.
- **For amplifier only:**
  - **Disconnect the speakers from this unit, connect them to the amplifier. Leave the speaker leads of this unit unused.**
  - Only for KD-AR3000: You can switch off the built-in amplifier and send the audio signals only to the external amplifier(s) to get clear sounds and to prevent internal heat built-up inside the unit. See page 39 of the INSTRUCTIONS (separate volume).
  - The line output level of this unit is kept high to maintain the hi-fi sounds reproduced from this unit.
    When connecting an external amplifier to this unit, turn down the gain control on the external amplifier to obtain the best performance from this unit.

Usted podrá conectar un amplificador y otros equipos para mejorar el sistema estéreo de su automóvil.
- Conecte el conductor remoto (azul con rayas blancas) al conductor remoto del otro equipo para poderlo controlar a través de esta unidad.
- **Sólo para el amplificador:**
  - **Desconecte los altavoces de esta unidad y conéctelos al amplificador. Los cables de los altavoces de esta unidad quedan sin usar.**
  - Sólo para KD-AR3000: Podrá desconectar el amplificador incorporado y enviar las señales de audio solamente al(los) amplificador(es) externo(s) para obtener sonidos nítidos y evitar que se caliente el interior de la unidad. Véase la página 39 de las MANUAL DE INSTRUCCIONES (volumen separado).
  - El nivel de salida de línea de esta unidad permanece alto para que corresponda con los sonidos de alta fidelidad reproducidos por esta unidad.
    Cuando conecte un amplificador externo a esta unidad, disminuya el control de ganancia del amplificador externo para obtener un óptimo rendimiento de esta unidad.

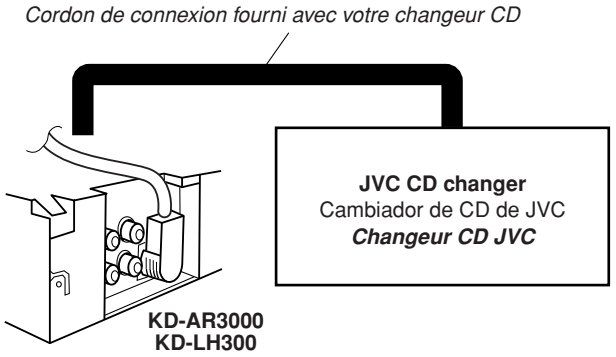
Vous pouvez connecter un amplificateur ou autre appareil pour améliorer votre système autoradio.
- *Connectez le fil de commande à distance (bleu avec bande blanche) au fil de commande à distance de l'autre appareil de façon qu'il puisse être commandé via cet appareil.*
- **Pour l'amplificateur seulement:**
  - **Déconnectez les enceintes de cet appareil et connectez-les à l'amplificateur. Laissez les fils d'enceintes de cet appareil inutilisés.**
  - *Seulement pour le KD-AR3000: Vous pouvez désactiver l'amplificateur intégré et envoyer les signaux audio uniquement à un ou plusieurs amplificateurs extérieurs afin d'obtenir un son clair et pour éviter un échauffement interne de l'appareil. Référez-vous à la page 39 du MANUEL D'INSTRUCTIONS (volume séparé).*
  - *Le niveau de sortie de ligne de cet appareil est maintenu à un niveau élevé pour maintenir une qualité Hi-Fi pour les sons reproduits par cet appareil.*
    Lors de la connexion d'un amplificateur extérieur à cet appareil, diminuez le réglage du gain sur l'amplificateur extérieur pour obtenir les meilleures performances de cet appareil.


Rear speakers
Altavoces posteriores
Enceintes arrière
Remote lead
Cable remoto
Fil d'alimentation à distance
Y-connector (not supplied with this unit)
Conector en Y (no suministrado con esta unidad)
Connecteur Y (non fourni avec cet appareil)
INPUT
L
R
JVC Amplifier
Amplificador de JVC
JVC Amplificateur
*3
Signal cord (not supplied with this unit)
Cable de señal (no suministrado con esta unidad)
Cordon de signal (non fourni avec cet appareil)
Remote lead (Blue with white stripe)
Cable remoto (Azul con rayas blancas)
Fil d'alimentation à distance (Bleu avec bande blanche)
LINE OUT
REAR
FRONT
KD-AR3000
KD-LH300
To the remote lead of other equipment or automatic antenna if any
Al conductor remoto de otro equipo o de la antena automática, si hubiere
Au fil de télécommande de l'autre appareil ou à l'antenne automatique s'il y en a une
Front speakers
Altavoces delanteros
Enceintes avant
JVC Amplifier
Amplificador de JVC
JVC Amplificateur
Front speakers
Altavoces delanteros
Enceintes avant
You can connect another power amplifier for front speakers.
Podrá conectar otro amplificador de potencia para los altavoces delanteros.
Vous pouvez connecter un autre amplificateur de puissance pour les enceintes avant.

*3 Firmly attach the ground wire to the metallic body or to the chassis of the car—to the place not coated with paint (if coated with paint, remove the paint before attaching the wire). Failure to do so may cause damage to the unit.
*3 Fije firmemente el cable de tierra a la carrocería metálica o al chasis—a un lugar no cubierto con pintura (si está cubierto con pintura, quítela antes de fijar el cable). De lo contrario, se podrían producir daños en la unidad.
*3 *Attachez solidement le fil de mise à la masse au châssis métallique de la voiture—à un endroit qui n'est pas recouvert de peinture (s'il est recouvert de peinture, enlevez d'abord la peinture avant d'attacher le fil). L'appareil peut être endommagé si cela n'est pas fait correctement.*

CD Changer / Cambiador de CD / Changeur CD

Refer also to page 46 of the INSTRUCTIONS.
Consulte también la página 46 de las MANUAL DE INSTRUCCIONES.
Référez-vous aussi à la page 46 du MANUEL D'INSTRUCTIONS.


Connecting cord supplied for your CD changer
Cable de conexión suministrado con su cambiador de CD
Cordon de connexion fourni avec votre changeur CD
JVC CD changer
Cambiador de CD de JVC
Changeur CD JVC
KD-AR3000
KD-LH300

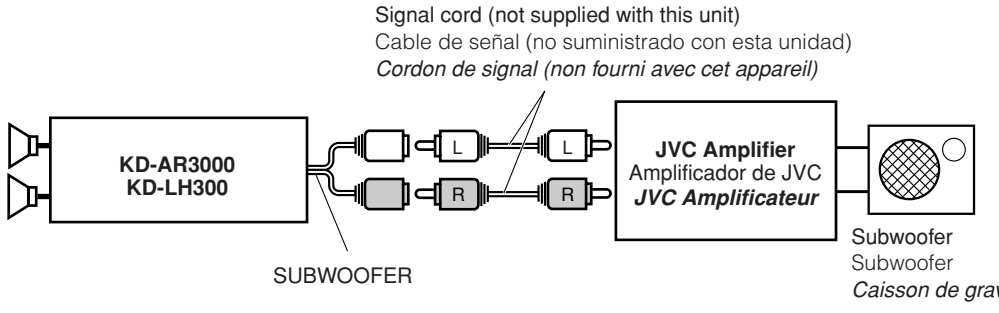
CAUTION / PRECAUCION / PRECAUTION
- Before connecting the CD changer, make sure that the unit is turned off.
- Antes de conectar el cambiador de CD, asegúrese de que la unidad esté apagada.
- *Avant de connecter le changeur CD, s'assurer que l'unité est éteinte.*

Subwoofer / Subwoofer / Caisson de grave

You can connect a subwoofer through an amplifier to reinforce the bass.
- For their connections, refer to the instructions supplied with your subwoofer.

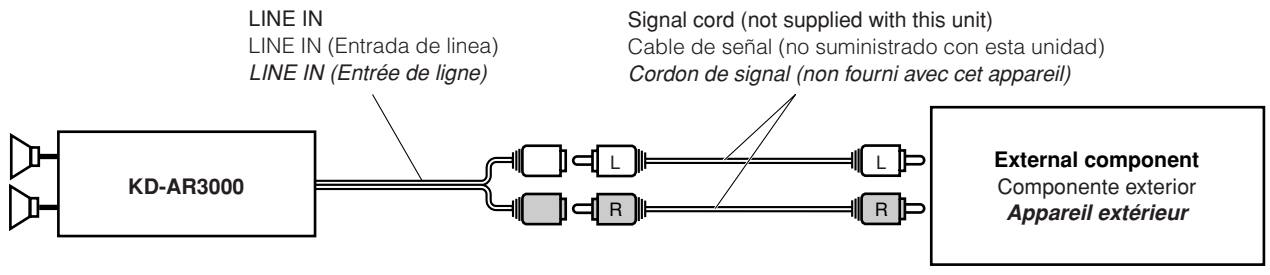
Usted podrá conectar un subwoofer a través de un amplificador para reforzar los graves.
- Con respecto a sus conexiones, refiérase a las instrucciones suministradas con sus subwoofer.

Vous pouvez connecter un caisson de grave par un amplificateur pour renforcer les graves.
- *Pour la connexion, référez-vous aux instructions fournies avec le caisson de grave.*



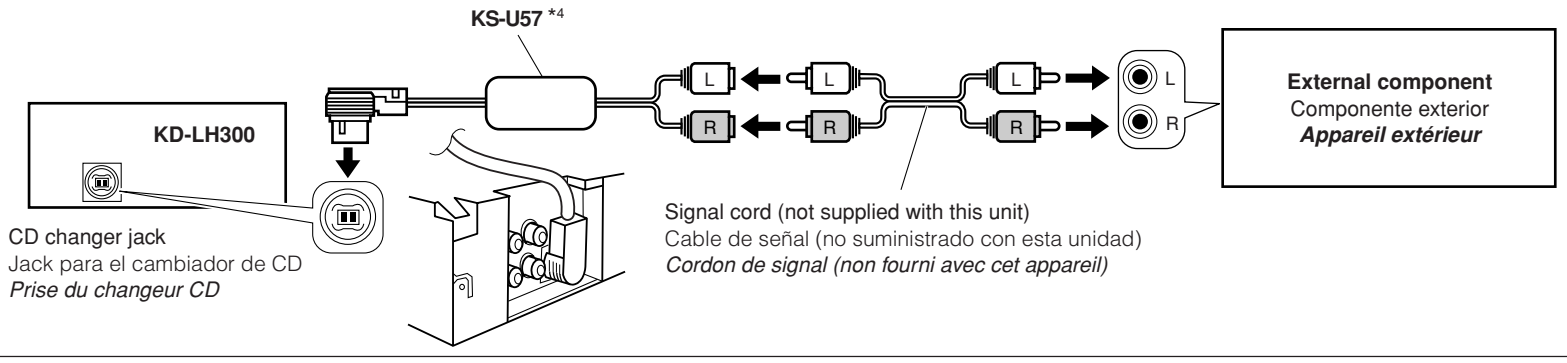
External Component / Componente exterior / Appareil extérieur

Only for KD-AR3000 / Sólo para KD-AR3000 / Seulement pour le KD-AR3000



For connecting the JVC SIRIUS Radio, refer to the SIRIUS Radio Setup Manual (separate volume).
Para la conexión de la radio JVC SIRIUS, consulte el Manual de configuración de la radio SIRIUS (volumen separado).
Pour brancher la radio JVC SIRIUS, référez-vous au Manuel d'installation de la radio SIRIUS (volume séparé).

Only for KD-LH300 / Sólo para KD-LH300 / Seulement pour le KD-LH300



*4 Line Input Adapter KS-U57 (not supplied with this unit)
*4 Adaptador de entrada de línea KS-U57 (no suministrado con esta unidad)
*4 *Adaptateur d'entrée de ligne KS-U57 (non fourni avec cet appareil)*